



PERANGKAAN TAHUNAN PERIKANAN

ANNUAL FISHERIES STATISTICS

**2000
(Volume 1)**



JABATAN PERIKANAN MALAYSIA

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PENDAHULUAN

Perangkaan Tahunan Perikanan adalah pengeluaran Jabatan Perikanan sebagai satu sumber bahan rujukan utama mengenai data dan maklumat penting terhadap industri perikanan Malaysia. Maklumat ini termasuk data eksport/import komoditi perikanan.

Data mengenai pengeluaran, nelayan, vesel, perkakas dan usaha menangkap ikan dimasukkan dalam Jilid I manakala data eksport/import dalam Jilid 2.

Adalah diharapkan penerbitan ini akan memberi faedah kepada semua terutama mereka yang memerlukan statistik perikanan terkini.

Terima kasih.

**Ketua Pengarah Perikanan
Jabatan Perikanan Malaysia
KUALA LUMPUR.**

FOREWORD

The Annual Fisheries Statistics is a bulletin produced by the Department of Fisheries as the main source of reference for vital data and information on the Malaysian Fisheries Sector. It also includes the export/import data of fisheries commodities.

The data on production, vessels, gears and fishing efforts are in Volume 1 whereas the export/import data are in Volume 2.

We hope that this bulletin would be beneficial to all especially to those who require the latest fisheries statistics.

Thank you.

**Director-General of Fisheries
Department of Fisheries Malaysia
KUALA LUMPUR.**

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**KEDUDUKAN SEKTOR PERIKANAN
DI MALAYSIA**

***STATUS OF THE FISHERIES SECTOR
IN MALAYSIA***

KEDUDUKAN SEKTOR PERIKANAN DI MALAYSIA

1. PENDAHULUAN

Sektor perikanan Malaysia terus memainkan peranan yang penting sebagai penyumbang utama ikan sebagai sumber makanan dan protin yang penting kepada negara. Sektor ini juga menyumbang 1.60% kepada KDNK* serta memberi peluang pekerjaan kepada 81,994 orang nelayan dan 21,774 orang penternak ikan. Sektor perikanan laut pantai menghasilkan pengeluaran sekitar 1.1 juta tan metrik setahun. Pencapaian ini adalah hasil dari usaha berterusan pengurusan sumber perikanan yang dilakukan oleh Jabatan.

Jabatan juga sedang mengambil beberapa tindakan untuk meningkatkan pengeluaran ikan negara. Antara usaha-usaha yang sedang diambil untuk menambahkan pengeluaran ikan negara adalah melalui tangkapan perikanan laut dalam dan membangunkan sektor akuakultur. Penambahan vesel-vesel laut dalam serta pengawalseliaan yang lebih ketat terhadap vesel-vesel yang sedia ada akan memberi sumbangan yang positif kepada sektor perikanan di masa akan datang. Namun begitu potensi sebenar dalam meningkatkan pengeluaran ikan masih bergantung kepada sektor akuakultur yang mempunyai kawasan berpotensi yang luas. Dijangkakan bahawa pengeluaran daripada sektor ini akan dapat ditingkatkan empat kali ganda menjelang tahun 2010. Perancangan dan langkah bersepadu sedang diambil dengan penyertaan pihak swasta dan adalah diharapkan bahawa industri akuakultur akan menjadi pemangkin kepada peningkatan pengeluaran ikan negara dimasa akan datang.

2. PROFIL PERIKANAN

Pada tahun 2000 pengeluaran daripada sektor perikanan telah mencapai 1,453,590 tan metrik bernilai RM 5.37 bilion. Sektor ini mencatatkan

* Keluaran Dalam Negara Kasar adalah RM 339.42 bilion (Buku Maklumat Perangkaan, Jabatan Perangkaan Malaysia 2001)

pertumbuhan sebanyak 3.45% dari segi pengeluaran dan 7.4% dari segi nilai. Sumbangan sektor perikanan kepada KDNK adalah 1.60% untuk tahun 2000 berbanding dengan 1.66% dalam tahun 1999. Di samping itu sumbangan kepada sektor pertanian adalah 18.24% pada tahun 2000.

Mengikut sektor, pengeluaran perikanan marin menyumbang 1,285,696 tan metrik atau 88.45% daripada pengeluaran ikan negara yang bernilai RM 4.40 bilion. Perikanan pantai masih kekal sebagai penyumbang utama dengan pengeluaran sebanyak 1,114,669 tan metrik bernilai RM3.89 bilion. Sektor perikanan laut dalam pula telah menyumbang 171,027 tan metrik bernilai RM 512.21 juta atau 11.77% daripada keseluruhan pengeluaran ikan.

Sektor akuakultur pula telah mencatatkan pengeluaran sebanyak 167,894 tan metrik iaitu kira-kira 11.55% daripada jumlah pengeluaran ikan negara. Pengeluaran dari sektor ini juga menunjukkan pertumbuhan yang sangat menggalakkan dimana nilai pengeluaran turut meningkat sebanyak 25.19% daripada RM775.08 juta pada tahun 1999 kepada RM970.32 juta pada tahun 2000.

Sektor perikanan darat hanya mencatatkan pengeluaran sebanyak 3,549 tan metrik atau 0.24% daripada jumlah pengeluaran ikan negara. Industri ikan hiasan pula pada tahun 2000 telah mencatat pengeluaran sebanyak 306.10 juta ekor ikan bernilai RM71.95 juta.

Dari segi tenaga kerja sektor perikanan mempunyai seramai 81,994 orang nelayan yang bekerja di atas vesel-vesel menangkap ikan yang berlesen dan 21,774 orang penternak ikan yang terlibat di dalam berbagai sistem akuakultur. Angka ini tidak termasuk ramai lagi para pengusaha yang terlibat secara langsung atau tidak langsung dalam aktiviti-aktiviti hiliran dan industri-industri yang berkaitan dengan industri perikanan. Pada tahun 2000, jumlah vesel menangkap ikan yang dilesenkan ialah 31,531 buah di mana kebanyakannya mengusahakan peralatan tradisional (77.55%).

3. PERIKANAN MARIN

3.1 Nelayan

Sejumlah 81,994 orang nelayan telah direkodkan pada tahun 2000 bekerja di atas vesel-vesel menangkap ikan berlesen penurunan sebanyak 2.33% jika dibandingkan dengan tahun 1999. Nisbah nelayan bekerja di atas vesel menangkap ikan komersial (46.39%) berbanding dengan bilangan nelayan bekerja di vesel menangkap ikan tradisional (53.61%) tidak banyak berubah dalam tempoh tersebut.

Terdapat seramai 30,992 (37.71%) orang nelayan di Pantai Barat Semenanjung Malaysia, 20,377 (24.85%) di Pantai Timur, dan seramai 30,695 (39.20%) orang nelayan di Malaysia Timur. Sejumlah 23,639 (28.83%) bekerja diatas vesel pukat tunda dan 14,397 (17.56%) diatas vesel pukat jerut. Seramai 2,154 orang nelayan bekerja diatas vesel pukat jerut bilis yang beroperasi di Kedah, Perak, Terengganu, Pahang dan Sabah.

Pada dekad yang lepas, industri perikanan laut dalam seringkali menghadapi masalah kekurangan vesel yang besar dan kekurangan pekerja mahir. Berbagai langkah telah diambil untuk memastikan bahawa pembangunan industri perikanan laut dalam akan membawa keuntungan maksima kepada negara. Langkah-langkah tersebut termasuklah pengeluaran permit laut dalam dan latihan kepada nelayan. Namun begitu industri penangkapan ikan laut dalam masih lagi bergantung kepada penggunaan tenaga kerja asing. Bilangan nelayan asing telah berkurangan daripada 15,339 orang pada tahun 1999 kepada 15,166 orang pada tahun 2000. Seramai 6,948 orang nelayan asing telah diluluskan untuk berkerja di Semenanjung Malaysia, 5,767 orang di Sabah dan 87 orang di Labuan. Kebanyakan nelayan asing adalah dari negara Thailand, Indonesia dan Filipina.

3.2 Vesel-vesel Menangkap Ikan

Sebanyak 34,051 buah vesel menangkap ikan yang berdaftar di Malaysia pada tahun 2000 jika berbanding dengan tahun 1999 sebanyak 34,054 buah,

penurunan 7.40%. Kebanyakan vesel-vesel ini beroperasi di laut pantai yang telah dieksploitasikan ke tahap maksima. Dasar Jabatan sekarang ini, memberi keutamaan kepada vesel-vesel menangkap ikan laut dalam yang berpotensi di Malaysia Timur. Bilangan vesel di Semenanjung Malaysia mencatatkan penurunan sebanyak 4.03% (daripada 19,343 buah kepada 18,564 buah). Pantai Timur menunjukkan penurunan sebanyak 4.34% dan Pantai Barat juga mencatatkan penurunan sebanyak 3.90%. Bilangan vesel menangkap ikan yang dilesenkan di Sabah tidak menunjukkan pertambahan yang ketara. Bilangan vesel di Sarawak pula menurun sebanyak 43.75% daripada 4,171 kepada 2,346 pada tahun 2000.

Pembangunan sektor perikanan laut dalam mengambil kira status sumber perikanan berdasarkan maklumat yang diperolehi dari sumber perikanan. Bilangan vesel menangkap ikan yang dibenarkan untuk sektor perikanan laut dalam agak kecil jika dibandingkan dengan vesel perikanan laut pantai. Pada tahun 2000 terdapat lebih dari 30,000 buah vesel yang dilesenkan untuk menerokai perairan laut pantai. Pada tahun 2000 bilangan vesel laut dalam yang dilesenkan ialah 601 unit. Adalah dijangkakan bahawa pengeluaran dari sektor ini akan berkembang dan akan menyumbang kepada peningkatan dalam pengeluaran ikan negara.

3.3 Perkakas Menangkap Ikan

Sesebuah vesel menangkap ikan yang dilesenkan pada kebiasaannya mengusahakan sejenis perkakas sahaja. Walau bagaimanapun terdapat vesel yang beroperasi lebih daripada sejenis alat menangkap ikan samada pada masa yang sama atau pun di musim yang berlainan. Oleh sebab itu bilangan lesen yang dikeluarkan untuk perkakas menangkap ikan dengan bilangan lesen yang dikeluarkan untuk vesel menangkap ikan biasanya tidak sama. Terdapat penurunan dalam bilangan vesel menangkap ikan yang dilesenkan pada tahun 2000. Bilangan perkakas menangkap ikan yang dilesenkan juga menurun sebanyak 11.20% berbanding pada 1999 (daripada 27,840 unit pada tahun 1999 kepada 24,722 unit pada tahun 2000).

3.4 Pendaratan Ikan Marin

Pendaratan ikan marin bertambah sebanyak 2.95% daripada 1,248,402 tan metrik pada tahun 1999 kepada 1,285,696 tan metrik pada tahun 2000. Dari segi nilai pendaratan, terdapat penambahan sebanyak 6.28% daripada RM4.14 bilion pada tahun 1999 kepada RM4.40 bilion pada tahun 2000. Vesel-vesel menangkap ikan komersial yang mengusahakan pukat tunda dan pukat jerut ikan menghasilkan 75.5% daripada pengeluaran ikan marin. Pada keseluruhannya pendaratan oleh vesel-vesel menangkap ikan pukat tunda meningkat 5.51% daripada 673,305 tan metrik pada tahun 1999 kepada 710,379 tan metrik pada tahun 2000. Pendaratan oleh vesel-vesel pukat jerut ikan menurun sebanyak 1.24% daripada 263,660 tan metrik pada tahun 1999 kepada 260,378 tan metrik pada tahun 2000.

Jadual 1

Pendaratan dan Nilai Perikanan Laut Pantai, 2000

	Pendaratan (Tan Metrik)	Nilai (RM)
Pantai Barat Semenanjung Malaysia	494,613	1,792,743,949
Pantai Timur Semenanjung Malaysia	314,556	964,393,571
Semenanjung Malaysia	809,169	2,757,137,520
Sabah	196,891	708,646,847
Sarawak	96,100	374,072,522
Wilayah Persekutuan Labuan	12,509	47,170,998
Jumlah	1,114,669	3,887,027,887

Sebahagian besar daripada pengeluaran ikan marin masih disumbangkan oleh sektor perikanan laut pantai (Jadual 1) yang mana pada tahun 2000 telah meningkat sebanyak 0.44% daripada 1,109,733 tan metrik kepada 1,114,669 tan metrik, sumbangan sebanyak 86.7% kepada jumlah pengeluaran ikan marin. Semenjak dua

dekad yang lalu sektor perikanan pantai merupakan penyumbang utama kepada pendaratan ikan marin yang kekal pada tahap lebih kurang 80% setiap tahun. Vesel-vesel menangkap ikan komersial (pukat tunda dan pukat jerut) yang hanya merupakan 21% daripada jumlah bilangan vesel menangkap ikan sektor perikanan laut pantai telah menyumbangkan sebanyak 71.74% kepada jumlah pengeluaran sektor ini. Peralatan tradisional yang digunakan di atas 24,451 unit vesel hanya menyumbang sebanyak 314,355 tan metrik pada 2000.

Bagi sektor perikanan laut pantai, pendaratan dari vesel pukat tunda tidak banyak berubah di mana sebanyak 615,595 tan metrik telah didaratkan (pertambahan hanya sebanyak 3.03% dari pendaratan 1999). Tetapi pukat jerut telah menampakan penurunan, mencatatkan 184,719 tan metrik berbanding dengan 201,264 tan metrik dalam tahun 1999. Pendaratan dari vesel tradisional adalah dalam lingkungan 300,000 tan metrik menggunakan perkakas seperti pukat hanyut, pukat jerut bilis, pukat tangguk dan bubu.

Industri perikanan laut dalam (Jadual II dan III) merangkumi vesel-vesel menangkap ikan yang bermuatan 70 GRT ke atas yang menggunakan pukat tunda, pukat jerut (kecuali pukat jerut bilis) pancing, pukat hanyut yang beroperasi di kawasan perairan melebihi 30 batu notika. Pada tahun 2000 industri ini menyumbang sebanyak 171,027 tan metrik ikan atau merupakan 13.3% daripada jumlah pendaratan ikan marin di Malaysia. Pendaratan ini telah meningkat sebanyak 23.33% jika dibandingkan dengan tahun sebelumnya. Dari segi pendaratan, Pantai Barat Semenanjung Malaysia menyumbangkan 23.68% (40,505 tan metrik), Pantai Timur 49.24% (84,219 tan metrik), Sabah 3.49% (5,966 tan metrik), Labuan 0.88% (1,505 tan metrik) dan Sarawak 22.71% (38,832 tan metrik) daripada jumlah pendaratan perikanan laut dalam. Dari segi nilai pula pengeluaran dari sektor ini telah meningkat sebanyak 26.30% daripada RM405.54 juta pada tahun 1999 kepada RM512.21 juta pada tahun 2000. Nilai ini juga adalah 11.64% dari jumlah nilai pendaratan ikan marin Malaysia.

Pendaratan oleh vesel-vesel pukat tunda dalam sektor perikanan laut dalam menunjukkan peningkatan sebanyak 24.98% daripada 75,841 tan metrik pada

tahun 1999 kepada 94,784 tan metrik pada tahun 2000. Pendaratan oleh vesel-vesel pukat jerut juga telah meningkat sebanyak 21.26% daripada 62,396 tan metrik pada tahun 1999 kepada 75,659 tan metrik pada tahun 2000.

Jadual II

**Pendaratan Perikanan Laut Dalam Mengikut Kumpulan Perkakas, 2000
(Kuantiti Dalam Tan Metrik)**

	Pukat Tunda 70 GRT & Ke Atas	Pukat Jerut Ikan 70 GRT & Ke Atas	Rawai/ Pancing 70 GRT & Ke Atas	Jumlah
Pantai Barat Sem. Malaysia	25,950	14,555	0	40,505
Pantai Timur Sem. Malaysia	31,071	53,148	0	84,219
Semenanjung Malaysia	57,021	67,703	0	124,724
Sabah	0	5,752	214	5,966
Sarawak	37,234	1,235	363	38,832
Wilayah Persekutuan Labuan	529	969	7	1,505
Jumlah	94,784	75,659	584	171,027

Jadual III

**Nilai Perikanan Laut Dalam Mengikut Kumpulan Perkakas,
2000, (Nilai Dalam RM)**

	Pukat Tunda 70 GRT & Ke Atas	Pukat Jerut Ikan 70 GRT & Ke Atas	Rawai/ Pancing 70 GRT & Ke Atas	Jumlah
Pantai Barat Sem. Malaysia	68,152,484	50,063,087	0	118,215,571
Pantai Timur Sem. Malaysia	81,601,767	182,806,797	0	264,408,564
Semenanjung Malaysia	149,754,251	232,869,884	0	382,624,135
Sabah	0	19,784,464	1,115,689	20,900,153
Sarawak	97,787,654	4,247,881	1,892,500	103,928,035
Wilayah Persekutuan Labuan	1,389,313	3,332,953	36,494	4,758,760
Jumlah	248,931,218	260,235,182	3,044,683	512,211,083

4. AKUAKULTUR

Sektor akuakultur mempunyai potensi yang besar dalam menyumbang kepada pengeluaran ikan negara untuk masa hadapan. Perancangan yang teliti dan rapi serta usaha yang serius telah diberikan untuk memajukan sektor ini, terutama sekali dalam bidang akuakultur berskala besar melalui penglibatan pihak swasta. Namun begitu usaha yang sama juga akan diberi untuk meningkatkan pengeluaran akuakultur dari ladang yang kecil dan sederhana melalui penggunaan teknologi moden dan amalan pengurusan yang mampan.

4.1 Pengeluaran Akuakultur

Pengeluaran dari sektor akuakultur untuk tahun 2000 terus dipengaruhi oleh pengeluaran kerang dan dari kolam air tawar. Jumlah pengeluaran telah meningkat sedikit daripada 166,974 tan metrik pada tahun 1999 kepada 167,894 tan metrik dalam tahun 2000. Pengeluaran ini adalah 11.6% pengeluaran ikan negara. Dari segi nilai pula ia telah menyumbang sebanyak RM 970.32 juta atau 17.82% dari keseluruhan nilai pengeluaran ikan negara.

Selain pengeluaran ikan untuk makanan, industri akuakultur juga mengeluarkan ikan hiasan. Pengeluaran dari sektor ini menurun sebanyak 10.1% kepada 306,096,870 ekor dalam tahun 2000 berbanding 340,439,721 ekor pada tahun 1999 manakala dari segi nilai, penurunan adalah sebanyak 10.3% daripada RM 80.23 juta kepada RM 71.95 juta dalam tahun 2000.

Sejumlah 21,774 penternak terlibat dalam industri akuakultur dalam tahun 2000, penurunan sebanyak 3.2%. Sejumlah besar tenaga kerja iaitu 80.8% tertumpu kepada ternakan air tawar. Pecahan tenaga kerja mengikut sistem ternakan adalah kolam air tawar (69.19%), sangkar air tawar (5.7%), kandang (2.4%), bekas lombong (2.3%) dan tangki simen (1.3%). Peratus dalam ternakan air payau adalah 19.2% dengan pecahan sangkar (7.3%), kolam (5.2%), rumpai laut (3.3%), kerang (1.2%), siput sudu (1.3%) dan tiram (0.9%).

Pengeluaran dari semua sistem menunjukkan peningkatan kecuali pengeluaran ternakan kerang. Punca utama bagi peningkatan ini adalah disebabkan oleh peningkatan produktiviti dan pendekatan pengurusan yang lebih sistematik.

4.2 Ternakan Air Tawar

Ternakan air tawar menghasilkan sebanyak 30.2% dari jumlah pengeluaran akuakultur. Dalam tahun 2000 jumlah pengeluaran ternakan air tawar telah meningkat sebanyak 13.7%, daripada 44,576 tan metrik kepada 50,688 tan metrik pada tahun 2000. Dari segi nilai ia merekodkan RM 304.98 juta iaitu peningkatan 18.4% berbanding tahun sebelumnya dan dengan itu menyumbang hampir 31.4% dari jumlah nilai pengeluaran akuakultur keseluruhan.

Sektor Ternakan Kolam Air Tawar merupakan penggerak utama dalam sistem ternakan ini, menyumbang sebanyak 76.7% (38,853 tan metrik) daripada jumlah pengeluaran air tawar iaitu meningkat 13.1% berbanding dengan pengeluaran tahun 1999 (34,349 tan metrik). Dari segi nilai ia mencatatkan peningkatan sebanyak 17.0% daripada RM 215.15 juta kepada RM 251.65 dalam tahun 2000. Negeri-negeri yang menghasilkan ternakan dari kolam adalah Pahang (12,788 tan metrik atau 32.9%), Selangor (5,762 tan metrik atau 14.8%), Perak (5,404 tan metrik atau 13.9%), Sabah (5,223 tan metrik atau 13.4%) dan Johor (4,208 tan metrik atau 10.8%). Spesis utama yang ditanam adalah Keli (9,737 tan metrik atau 25.1%), Tilapia Merah (9,276 tan metrik atau 23.9%), Tilapia Hitam (2,081 tan metrik atau 5.4%) dan Belut (1,980 tan metrik atau 5.1%). Kadar pengeluaran dari ternakan kolam air tawar adalah 7.7 tan metrik/ ha.

Pengeluaran dari bekas lombong juga meningkat sebanyak 9.5% daripada 5,881 tan metrik dalam tahun 1999 kepada 6,438 tan metrik dalam tahun 2000. Nilai pengeluaran meningkat sebanyak 10.3% daripada RM 20.50 juta dalam tahun 1999 kepada RM 22.62 juta dalam tahun 2000. Keseluruhan luas kawasan ternakan telah meningkat daripada 1,602 hektar pada tahun 1999 kepada 1,635 hektar dalam tahun 2000. Peningkatan pengeluaran adalah disebabkan oleh kadar pengeluaran yang meningkat daripada 3.67 tan/ha dalam tahun 1999 kepada 3.94 tan/ha dalam tahun

2000. Perak dan Selangor merupakan pengeluar utama dalam ternakan bekas lombong dengan masing-masing mengeluarkan 5,995 tan metrik dan 370 tan metrik. Spesis utama yang dihasilkan ialah Tilapia Merah (37.3%) diikuti oleh Kap Kepala Besar (23.1%) , Tilapia Hitam (11.7%) dan Kap Rumput (7.0%).

Ternakan Sangkar Air Tawar menyumbang 7.8% dari keseluruhan pengeluaran ternakan air tawar iaitu menunjukkan pertambahan sebanyak 29.6%, peningkatan daripada 3,032 tan metrik kepada 3,929 tan metrik dalam tahun 2000. Peningkatan ini disebabkan oleh penambahan bilangan sangkar daripada 8,514 unit dalam tahun 1999 kepada 10,272 unit dalam tahun 2000 dan peningkatan keluaran kawasan daripada 141,825m² kepada 194,753m² (peningkatan 37.3%). Kadar purata pengeluaran adalah 20.2kg/m². Ikan Tilapia Merah merupakan spesis utama ditenak (66.4%) diikuti Patin (20.9%) dan Baung (6.1%). Pengeluar utama adalah negeri Pahang (1,214 tan metrik), Terengganu yang mengeluarkan 990 tan metrik dalam tahun 2000, Sarawak (825 tan metrik) dan Negeri Sembilan (531 tan metrik). Pengeluaran dari negeri-negeri lain menunjukkan pengeluaran sederhana sepanjang tahun 2000.

Ternakan Tangki Simen Dan Kandang menyumbang sebanyak 1,469 tan metrik. Ternakan utama dari sistem ini ialah ternakan ikan Tilapia Merah, Patin, Lampam Jawa dan Ikan Keli. Ternakan tangki simen sangat digemari di Selangor, Perak dan Negeri Sembilan dan sedang berkembang di negeri-negeri lain. Ternakan kandang pula hanya dijalankan di Kelantan dan Perak.

4.3 Sistem Air Payau

Dalam tahun 2000, sektor air payau menyumbang 117,206 tan metrik atau 69.8% daripada jumlah pengeluaran akuakultur. Sumbangan ini merosot sedikit daripada 122,398% dalam tahun 1999. Ini disebabkan oleh penurunan penghasilan kerang. Lain-lain sistem ternakan air payau menunjukkan peningkatan termasuklah pengeluaran rumpai laut khasnya dari negeri Sabah.

Penghasilan **kerang** merosot sebanyak 19.4% dari 79,912 tan metrik dalam tahun 1999 kepada 64,396 tan metrik dalam tahun 2000. Perak menghasilkan 67.4% pengeluaran kerang negara pada tahun 2000 iaitu sebanyak 43,382 tan metrik diikuti oleh Pulau Pinang menyumbang sebanyak 13,117 tan metrik. Penurunan kadar pengeluaran daripada 9.0 tan metrik/ha berbanding 15.4 tan metrik/ha adalah berpunca dari pengukuran semula kawasan ternakan di Perak. Kawasan yang diukur adalah 7,129.32ha didalam tahun 2000 berbanding 5,189.22ha dalam tahun 1999.

Pengeluaran dari kolam-kolam air payau meningkat sebanyak 27.6% daripada 13,643 tan metrik dalam tahun 1999 kepada 17,418 tan metrik dalam tahun 2000. Dari segi nilai pula ia telah meningkat sebanyak 36.7% daripada RM 362.20 juta kepada RM 499.19 juta. Pengeluaran utama adalah dari Sarawak (3,562 tm atau 20.5%), Johor (3,544 tm atau 20.3%), Perak (2,685 tm atau 15.4%), Pahang (2,268 tm atau 13.0%) dan Selangor (1,568 tm atau 9.0%). Spesis utama adalah udang *harimau*, *Penaeus Monodon* (89.2%). Johor menghasilkan siakap, udang putih dan jenahak. Sarawak telah menghasilkan udang harimau sebanyak 3,521 tan metrik dalam tahun 2000 berbanding 1,635 tan metrik dalam tahun 1999.

Pengeluaran dari Sangkar Air Payau begitu menggalakkan iaitu meningkat sebanyak 13.2% (7,966 tan metrik). Sementara nilai pengeluaran meningkat sebanyak 30.1% daripada RM 81.01 juta kepada RM 105.37 juta dalam tahun 2000. Pengeluar utama adalah Johor (2,601 tan metrik atau 32.7%), Selangor (1,828 tan metrik atau 22.9%) dan Pulau Pinang (1,314 tan metrik atau 16.5%). Kadar pengeluaran adalah 9.4 kg/m². Spesies utama ditenak adalah siakap, jenahak yang menyumbang 79.7% hasil pengeluaran. Spesies lain adalah kerapu, tilapia merah dan ketam.

Pengeluaran Siput Sudu telah meningkat sebanyak 13.4% daripada 9,764 tan metrik dalam tahun 1999 kepada 11,069 tan metrik dalam tahun 2000. Johor yang merupakan pengeluar utama dengan pengeluaran sebanyak 10,554 tan metrik

dengan menyumbangkan 95.3% pengeluaran siput sudu negara. Negeri pengeluar lain adalah Melaka, Perak dan Sabah. Kadar pengeluaran siput sudu adalah ditahap 144 kg/m² pada tahun 2000. Nilai pengeluaran siput sudu meningkat daripada RM 4.57 juta dalam tahun 1999 kepada RM 5.49 juta pada tahun 2000

Pengeluaran Tiram pada tahun 2000 adalah sebanyak 232 tan metrik dengan nilai RM 1.7 juta. Pengeluaran tertumpu di Terengganu, Sabah Kedah, dan Pulau Pinang. Kadar pengeluaran tiram adalah rendah iaitu 2.7 kg/m².

Pengeluaran Rumpai Laut merupakan satu komoditi yang berpotensi untuk dimajukan dengan pengeluaran sebanyak 16,125 tan metrik mempunyai keluasan sejumlah 815 hektar berbanding 280 hektar dalam tahun 1999. Negeri Sabah merupakan pengeluaran utama rumpai laut negara dengan bilangan penternak seramai 712 orang. Kadar pengeluaran rumpai laut ialah 42.3 mt/ha.

4.4 Ikan Hiasan

Jumlah pengeluaran ikan hiasan telah menunjukkan peningkatan sebanyak 10.1% daripada 340,439 ekor dalam tahun 1999 kepada 306,096,870 ekor dalam tahun 2000. Dari segi nilai terdapat penurunan sebanyak 10.3% daripada RM 80.23 juta dalam tahun 1999 kepada RM 71.95 juta dalam tahun 2000. Johor masih kekal sebagai pengeluar utama ikan hiasan yang menyumbang sebanyak 234,877,604 ekor iaitu 76.7% dari jumlah keseluruhan pengeluaran ikan hiasan dalam tahun 2000. Ini diikuti oleh Perak yang menyumbang sebanyak 65,122,395 ekor (21.3%), Selangor menyumbangkan sebanyak 3,786,400 ekor (1.2%) dan Pulau Pinang menyumbangkan sebanyak 1,927,968 ekor (0.6%) dari jumlah pengeluaran ikan hiasan dalam tahun 2000. Dua kumpulan utama ikan hiasan yang dikeluarkan adalah '*Cyprinid*' (Ikan Emas, Koi, Barb, Danio) yang menyumbangkan sebanyak 29.2% dan '*poeciliid*' (Guppy dan Molly) yang menyumbangkan sebanyak 30.5% , dari jumlah pengeluaran ikan hiasan negara.

5. PENGELUARAN BENIH

Pengeluaran benih ikan air tawar dari pusat pembaikbiak ikan kerajaan pada tahun 2000 adalah sebanyak 15.30 juta ekor. Spesis utama yang dibiak ialah tilapia merah (5.06 juta ekor), Lampam Jawa (4.42 juta ekor), Keli (1.19 juta ekor), Jelawat (1.4 juta ekor) dan Lee Koh (0.71 juta ekor). Semua spesis ini menyumbang sebanyak 88.6% daripada pengeluaran keseluruhan benih-benih ikan daripada pusat-pusat kerajaan. Sejumlah 17.53 juta ekor benih telah diagihkan kepada penternak dan 4.5 juta pula dilepaskan ke perairan umum.

Pengeluaran benih ikan/udang air payau dari pusat-pusat pembaikbiak kerajaan dalam tahun 2000 adalah sebanyak 174.08 juta ekor. Spesis utama yang dikeluarkan adalah Siakap (138.64 juta ekor), Udang Harimau (8.42 juta ekor) dan Udang Galah (5.63 juta ekor). Sejumlah besar benih Kerapu (19 juta ekor) yang dihasilkan telah diagihkan kepada pusat penetasan swasta untuk percubaan asuhan dan ada juga yang dilepaskan ke habitat semulajadi di bawah program penambahan stok.

Terdapat 195 pusat penetasan swasta yang mengeluarkan benih ikan dan udang (air tawar dan air payau) bagi menampung industri akuakultur. Sebanyak 2.84 bilion benih udang dan 282 juta ekor benih ikan telah dihasilkan pada tahun 2000.

6. PERAIRAN UMUM/PERIKANAN DARAT

Perairan umum (sungai, tasik, bekas lombong dan empangan) telah mencatatkan peningkatan pengeluaran daripada 3,353 tan metrik pada tahun 1999 kepada 3,548 tan metrik dalam tahun 2000. Negeri-negeri penyumbang adalah Perak, Selangor, Pahang, Johor dan Kedah.

7. PENGELUARAN 'FEEDMILL'

Terdapat 31 buah kilang 'feedmill' dengan pengeluaran sebanyak 62,868 tan metrik makanan ikan pada tahun 2000. Namun begitu pengeluaran masih tidak dapat menampung permintaan dari industri akuakultur yang sedang berkembang. Oleh itu sebahagian besar 'feedmill' yang digunakan adalah diimport.

STATUS OF THE FISHERIES SECTOR IN MALAYSIA

1. INTRODUCTION

The fisheries sector in Malaysia plays an important role in providing fish as a source of food and protein. In 2000, it contributed about 1.60% to the national Gross Domestic Product (GDP)* and provided direct employment to 81,994 fishermen and 21,774 fish culturists. Over the years, the industry has succeeded in achieving a steady production from its marine fisheries amounting to an average of at least 1.1 million tonnes annually. The Department of Fisheries Malaysia has successfully sustained this production level through continuous efforts in the management of the resources.

The Department of Fisheries is taking several measures to increase fish production in the country. Amongst these measures are to increase fish production from deep-sea fishing and the development of the aquaculture sector. An increase in the number of deep-sea fishing vessels together with closer monitoring, control and surveillance of these vessels will give a positive contribution to the fisheries sector in the future. However, the real potential to increase fish production still remains within the aquaculture industry. With a vast potential of inland areas and coastal areas, it is estimated that the production from the aquaculture industry can be increased by as much as four times its present level by the year 2010. Proper planning and concerted efforts have been made and especially with the participation of the corporate sector, it is envisaged that the aquaculture industry will spearhead the quest to increase fish production in the future.

2. FISHERIES PROFILE

In 2000, the total production from the fisheries sector amounted to 1,453,590 tonnes valued at RM 5.37 billion. Statistically, the fisheries sector again recorded an overall increase in both production 3.45% and value 7.40%. The indication that the fisheries

* National GDP RM 339.42 billion (Statistics Handbook, Statistics Department Malaysia, 2001)

industry is poised to remain an important industry is reflected by its steady contribution to the GDP, which at 1.60% is comparable to 1.66% in 1999 and 1.62% in 1998. Its contribution to the agricultural sector GDP was 18.24%. Given the proper priority, the fisheries sector can become an even more important contributor to the nation's food production.

By sector, production from marine capture fisheries contributed 1,285,696 tonnes or 88.45% of the nation's fish production with a value of RM 4.40 billion. Within this sector, the coastal fisheries remained the major contributor with a production of 1,114,669 tonnes valued at RM 3.89 billion. Still to be developed to its full potential, the deep-sea fisheries sector managed 171,027 tonnes with a value of RM 512.21 million and contributed 11.77% to the total fish production.

The aquaculture sector recorded a production of 167,894 tonnes, which constituted about 11.55% of the total fish production. Although only marginally higher than the 1999 production of 166,974 tonnes, the value from the aquaculture sector rose by 25.19% from RM 775.08 million in 1999 to RM 970.32 million in 2000. This was contributed mainly by the increase in production and value of shrimps from brackishwater ponds.

The inland fisheries sector continued to be insignificant, producing only 3,549 tonnes or 0.24% of the total fish production. The contribution from the ornamental fish (aquarium) industry was 306.10 million pieces valued at RM 71.95 million.

The work force of the fisheries sector consisted of 81,994 fishermen working on licensed fishing vessels and 21,774 fish culturists involved in the various aquaculture systems. These figures do not include thousands more involved directly or indirectly in downstream activities and related industries. In 2000 there were 31,531 fishing vessels licensed with the majority operating traditional gears (77.55%).

3. MARINE FISHERIES

3.1 Fishermen

With 81,994 fishermen working on licensed fishing vessels, the population of the marine fisheries work force decreased by 2.33%. However, there was no significant change in the ratio of fishermen working on licensed commercial fishing vessels (46.39%) as against the number of fishermen working on traditional fishing vessels (53.61%).

The West Coast of Peninsula Malaysia had 30,922 (37.71%) fishermen, the East Coast of Peninsula Malaysia had 20,377 (24.85%) while East Malaysia accounted for 30,695 (37.44%) fishermen. There were 23,639 (28.83%) involved in trawl fishing while 14,397 (17.56%) were active in purse seining. There were also 2,154 anchovy purse seiners operating mainly in Kedah, Sabah, Terengganu, Pahang and Perak.

For the last decade, the deep-sea fishing industry has been affected by a lack of large fishing vessels and skilled manpower. Various measures have been taken to ensure the expansion and development of the deep-sea fishing industry would bring maximum benefits to the country. Amongst these are the issuance of new permits and new licences for deep-sea fishing as well as the training of fishermen. However, the operations of deep-sea fishing vessels, to a certain extent, will still have to rely on foreign work force. The involvement of foreign workers in this sector of the fishing industry is considered necessary to accelerate the development of the industry. In 2000, there were 15,166 approved foreign fishermen, a reduction from 15,339 in 1999. Of these, 6964 foreign crew had been approved to work in Peninsular Malaysia, 5,767 in Sabah, 2,346 in Sarawak and 87 in Labuan. The foreign crew were mainly Thais, Indonesians and Filipinos.

3.2 Fishing Vessels

The number of licensed fishing vessels in Malaysia stood at 31,531 units in 2000 as compared to 34,051 units in 1999, decreasing by only 7.04%. The majority of the fishing vessels operate in the coastal areas, which have been exploited at an optimum level. In line with the management policy, new licences for fishing vessels are only issued for the deep-sea fishing sector, where the potential is more focused in East Malaysia. The fishing fleet in Peninsular Malaysia actually recorded a reduction of 4.03% (from 19,343 to 18,564) with the East Coast dipping by 4.34% and the West Coast by 3.90%. There was no appreciable change in the number of licensed fishing vessels for Sabah. Number of licenced fishing vessels for Sarawak decreased by 43.75% from 4,171 to 2,346 in 2000.

Development of the deep-sea fishing fleet takes into serious consideration the status of the fisheries resources. Taking a precautionary approach, the deep-sea fishing fleet will remain comparatively small compared with the over 30,000 units licensed to operate in the inshore waters. In 2000, the total number of licensed deep-sea fishing vessels was 601 units. It is expected that the production from this sector will grow and contribute more to the nation's fish production.

3.3 Fishing Gears

Normally each fishing vessel is licensed to operate one fishing gear. However, there are fishing operations where more than one licensed fishing gear are being used. At the same time, there are also licensed fishing vessels being issued more than one fishing gear licence but at different seasons. There was a decrease in the total number of fishing gear licences issued in 2000 by 11.20% from 27,840 units in 1999 to 24,722 units in 2000.

3.4 Marine Fish Landings

The total marine landings increased by 2.99% from 1,248,402 tonnes in 1999 to 1,285,696 tonnes in 2000. In terms of value, there was an improvement of 6.28% from RM 4.14 billion in 1999 to RM 4.40 billion in 2000. Commercial fishing vessels operating trawls and fish purse seiners produced 75.50% of the total marine fish landings. There was a slight increase in the landings of trawlers by 5.51% from 673,305 tonnes in 1999 to 710,379 tonnes in 2000. Landings from the purse seiners decreased by 1.24% from 263,660 tonnes in 1999 to 260,378 tonnes in 2000.

Table 1

Landings and Values of Marine Inshore Fisheries, 2000

	Landings (Tonnes)	Value (RM)
West Coast of Peninsular Malaysia	494,613	1,792,743,949
East Coast of Peninsular Malaysia	314,556	964,393,571
Peninsular Malaysia	809,169	2,757,137,520
Sabah	196,891	708,646,847
Sarawak	96,100	374,072,522
Federal Territory of Labuan	12,509	47,170,998
Total	1,114,669	3,887,027,887

The inshore fisheries (table 1) account for the bulk of the marine production, which, in 2000, recorded an increase of only 0.44% from 1,109,733 tonnes in 1999 to 1,114,669 tonnes. It contributed 86.70% of the total marine production. Over the last two decades, this sector of the marine fisheries remained the major source of fish landings accounting for over 80% annually. It is pertinent to note that within the inshore sector, the commercial fishing vessels (trawlers and fish purse seiners), though constituting only about 21% of the total inshore fleet in number of operating units, produced 71.74% of the total inshore production. The traditional gears involving 24,451 units of fishing vessels produced only 314,355 tonnes.

Within the commercial sector of the inshore fisheries, landings from trawlers remained relatively unchanged at 615,595 tonnes (increased by only 3.03% of 1999 landings). The landings of purse seiners were 184,719 tonnes, registering a slight drop from 201,264 tonnes in 1999. Production using traditional gears has been consistent at just over 300,000 tonnes per year over the last few years. The main traditional gears used are drift/gill nets, hook and line, anchovy purse seiners, bag nets, lift nets and portable traps.

The deep sea fisheries (Table II and III) covers fishing by vessels of 70 GRT and above operating trawl nets, purse seines (except anchovy purse seine), hooks and lines and drift/gill nets at a distance of beyond 30 nautical miles from the coast. It contributed a total of 171,027 tonnes of fish in 2000, which was 13.30% of the total marine fish landing of Malaysia, and showed an increase of 23.33% compared to the preceeding year. In terms of proportions of total landings, the West Coast of Peninsular Malaysia contributed 23.68% (40,505 tonnes), East Coast 49.24% (84,219 tonnes), Sabah 3.49% (5,966 tonnes), Labuan 0.88% (1,505 tonnes) and Sarawak 22.71% (38,832 tonnes). The value of deep-sea fisheries increased by 26.30% from RM 405.54 million in 1999 to RM 512.21 million in 2000. This contributed to 11.64% of the total value of marine fish landed in Malaysia in 2000.

Within the deep-sea fishing sector, landings from vessels operating trawlers reported an increase of 24.98% from 75,841 tonnes in 1999 to 94,784 tonnes in 2000. However, landing from purse seiners had increased significantly by 21.26% from 62,396 tonnes in 1999 to 75,659 tonnes in 2000.

Table II

Landings of Deep-Sea Fisheries by Gear Group, 2000
(Quantity in Tonnes)

	Trawl nets 70 GRT & above	Fish Purse Seine nets 70 GRT & above	Hooks and Lines 70 GRT & above	Total
West Coast of Peninsular Malaysia	25,950	14,555	0	40,505
East Coast of Peninsular Malaysia	31,071	53,148	0	84,219
Peninsular Malaysia	57,021	67,703	0	124,724
Sabah	0	5,752	214	5,966
Sarawak	37,234	1,235	363	38,832
Federal Territory of Labuan	529	969	7	1,505
Total	94,784	75,659	584	171,027

Table III

Value of Deep Sea Fisheries by Gears Group 2000
(Value in RM)

	Trawl nets 70 GRT & above	Fish Purse Seine Nets 70 GRT & above	Hooks and Lines 70 GRT & above	Total
West Coast of Peninsular Malaysia	68,152,484	50,063,087	0	118,215,571
East Coast of Peninsular Malaysia	81,601,767	182,806,797	0	264,408,564
Peninsular Malaysia	149,754,251	232,869,884	0	382,624,135
Sabah	0	19,784,464	1,115,689	20,900,153
Sarawak	97,787,654	4,247,881	1,892,500	103,928,035
Federal Territory of Labuan	1,389,313	3,332,953	36,494	4,758,760
Total	248,931,218	260,235,182	3,044,683	512,211,083

4. AQUACULTURE

The aquaculture sector has a large potential and can contribute significantly to the country's total fish requirement in future. Careful planning and serious efforts have been made to develop this sector, especially in the area of industrial scale aquaculture, through the participation of the private sector. However, equal emphasis will also be given to improving the aquaculture output from small and medium scale farms through intensification of production using modern technologies and sustainable management practices.

4.1 Aquaculture Production

Aquaculture production for the year 2000 continued to be dominated by the production of cockles and fish from freshwater pond culture. The total production was 167,894 tonnes, which was marginally higher than the 1999 output of 166,974 tonnes. This contributed 11.6% to the overall fish production in the country. However, the value of aquaculture production was RM 970.32 million or 17.82% of the total value of fish produced.

Besides producing fish for food, the aquaculture industry also produces ornamental fish (aquarium fish). Generally on an increasing trend, production from this sector however decreased to 306,096,870 pieces in 2000, a drop of 10.1% compared to 1999's total of 340,439,721 pieces. The value correspondingly decreased from RM80.23 million in 1999 to RM 71.95 million, a reduction of 10.3%.

A total of 21,774 fish farmers/culturists were involved in the aquaculture industry in 2000, increasing by 3.2%. The bulk of the culturists were involved in the freshwater sector accounting for 80.8% i.e. pond culture (69.1%), freshwater cage culture (5.7%), freshwater pen culture (2.4%), culture in ex-mining pools (2.3%) and freshwater cement tank culture (1.3%). 19.2% of the culturists were involved in brackishwater and marine aquaculture i.e. brackishwater/marine cage culture (7.3%), pond culture (5.2%),

seaweed culture (3.3%), cockle culture (1.2%), mussel culture (1.2%) and oyster culture (0.9%).

Production from all culture systems showed improvements in output except for cockle culture. The main reasons for this increase in production was improvement in productivity from many of the culture systems due to better technology and a more systemic management approach.

4.2 Freshwater culture

Freshwater aquaculture contributed 30.2% of the total aquaculture production in 2000. It increased 13.7% from 44,576 tonnes in 1999 to 50,688 tonnes in 2000. In terms of value, it recorded RM 304.98 million, which was 18.4% (RM47.49 million) higher compared to the previous year, and contributed 31.4% to the total value of aquaculture production.

Freshwater pond culture spearheaded production from freshwater systems with 76.7% (38,853 tonnes) of the total freshwater production, improving by 13.1% when compared to the production recorded in 1999 (34,349 tonnes). In terms of value, it recorded an increase of 17.0% from RM215.15 million in 1999 to RM251.65 million in 2000. The leading states for freshwater fish production from ponds were Pahang (12,788 tonnes or 32.9%), Selangor (5,762 tonnes or 14.8%), Perak (5,404 tonnes or 13.9%), Sabah (5,223 tonnes or 13.4%) and Johor (4,208 tonnes or 10.8%). The major freshwater species cultured were freshwater Catfish (9,737 tonnes or 25.1%), Red Tilapia (9,276 tonnes or 23.9%), Black Tilapia (2,081 tonnes or 5.4%) and eels (1,980 tonnes or 5.1%). The average production from freshwater ponds was 7.7 tonnes / ha.

Production from **ex-mining pools** went up by 9.5% (from 5,881 tonnes in 1999 to 6,438 tonnes in 2000) and posted a value of RM22.62 million, improving by 10.3% from RM20.50 million in 1999. There was a slight increase in culture area from 1,602 hectares in 1999 to 1,635 hectares in 2000. Increase in production was mainly due to

better average production, which improved from 3.67 tonnes/ha in 1999 to 3.94 tonnes/ha in 2000. Both Perak and Selangor were the main producers contributing 5,995 tonnes(93.1%) and 370 tonnes (5.8%) respectively. Major species produced were Black Tilapia (2,403 tonnes or 37.3%), Big Head Carp (1,486 tonnes or 23.1%), Nile Tilapia (753 tonnes or 11.7%) and Grass Carp (452 tonnes or 7.0%).

Freshwater cage culture, which contributed 7.8% to the overall freshwater production, also registered a growth of 29.6%, increasing from 3,032 tonnes in 1999 to 3,929 tonnes in 2000. This improvement was due to the increase in the number of freshwater fish cages from 8,514 units in 1999 to 10,272 units in 2000 (20.6% rise) and the corresponding increase in culture area from 141,825m² to 194,753m² (37.3% rise). The average production was 20.2kg/m².

Red Tilapia remained the most popular cultured species (2,608 tonnes or 66.4%) with river catfish (*Pangasius* spp) (820 tonnes or 20.9%) and river catfish (*Mystus* spp.) (238 tonnes or 6.1%) also commonly cultured. Pahang (1,124 tonnes), Terengganu (990 tonnes), Sarawak (825 tonnes) and Negeri Sembilan (531 tonnes) were the main contributors. Production from the other states was marginal.

Freshwater tank and pen culture systems together provided 1,469 tonnes of mainly Red Tilapia, river catfish, Javanese Carp and freshwater Catfish. Freshwater tank culture was most popular in Selangor, Perak and Negeri Sembilan although it is gaining popularity in the other states too. Freshwater pen culture was mostly practiced in Kelantan and Perak.

4.3 Brackishwater / Marine Culture

In 2000, the brackishwater and marine sectors contributed 117,206 tonnes or 69.8% of the total aquaculture production. This was a slight decrease from 122,398 tonnes in 1999. This decrease was due to the lower production of cockles. Other

brackishwater/marine culture systems showed improvements in output especially seaweed production from Sabah.

Cockle harvest decreased significantly by 19.4% from 79,912 tonnes in 1999 to 64,396 tonnes in 2000. Perak contributed 67.4% or 43,382 tonnes of the total cockle harvest while Penang contributed 13,117 tonnes and Selangor 7,485 tonnes. The lower average harvest in 2000 was 9.0 tonnes/ha compared to 15.4 tonnes/ha in 1999 was attributed to the resurvey of the cockle area in Perak to increase their TOL revenue. The area surveyed in 2000 was 7,129.32 ha compared to 5,189.22 ha in 1999.

Production from **brackishwater pond** culture moved up by 27.7% from 13,643 tonnes in 1999 to 17,418 tonnes in 2000. The value also increased by 36.7%, from RM362.20 million to RM495.19 million. The bulk of the production was from Sarawak (3,562 tonnes or 20.5%), Johor (3,544 tonnes or 20.3%), Perak (2,685 tonnes or 15.4%), Pahang (2,268 tonnes or 13.0%) and Selangor (1,568 tonnes or 9.0%). The main species produced was the tiger prawn, *Penaeus monodon*, (89.2%). Johor also produced substantial amounts of barramundi, banana prawns and snappers. Sarawak showed the highest increase in tiger prawn production from 1,635 tonnes in 1999 to 3,521 tonnes in 2000 (115.4%).

Production from **brackishwater cage** culture improved by 13.2% from 7,034 tonnes in 1999 to 7,966 tonnes in 2000. The value also increased by 30.1% from RM81.01 million in 1999 to RM 105.37 million in 2000. The main producers were Johor (2,601 tonnes or 32.7%), Selangor (1,828 tonnes or 22.9%) and Penang (1,314 tonnes or 16.5%). The average productivity from brackishwater cage culture was 9.4kg/m². The main species cultured were barramundi, mangrove snapper and groupers that made up 79.7% of the production. Other species included red snapper, Red Tilapia and crabs.

Mussel production increased 13.4% from 9,764 tonnes in 1999 to 11,069 tonnes in 2000. Johore was the main producer with 10,554 tonnes, contributing 95.3% of the total

mussel harvest while Malacca, Perak and Sabah were marginal producers. The average productivity was 144 kg/m². The value of mussels produced rose from RM4.57 million in 1999 to RM5.49 million in 2000.

Total **oyster** production in 2000 was 232 tonnes with a value of RM1.7 million. Production was concentrated in the states of Terengganu, Sabah, Kedah and Penang. Productivity of oyster was low at 2.7 kg/m².

Seaweed is a commodity with a great potential for development with production at 16,125 tonnes for the year 2000. The area for seaweed production increased from 280ha in 1999 to 815ha in 2000. The average productivity was 19.8 tonnes /ha, down from 42.3 tonnes /ha in 1999. This was due to the relatively lower productivity in the newly developed culture areas. Sabah was the only state producing seaweed with 712 culturists.

4.4 Ornamental Fish

The total production of ornamental fish decreased by 10.1% from 340,439,721 pieces in 1999 to 306,096,870 pieces in 2000. In terms of value, the decrease was 10.3%, from RM80.23 million in 1999 to RM71.95 million in 2000. Johor remained as the main producer of ornamental fish contributing 234,877,605 pieces, which was 76.7% of the total production. This was followed by Perak, which contributed 65,122,395 pieces or 21.3%, Selangor 3,786,400 pieces (1.2%) and Penang 1,927,968 pieces (0.6%). The two main groups of ornamental fish produced were Poeciliids (Guppies and Mollies) contributing 30.5% and Cyprinids (Goldfish, Koi, Barb, Danio) contributing 29.2% of the total ornamental fish production.

5. FISH SEED PRODUCTION

Production of freshwater fingerlings from government hatcheries in 2000 amounted to 15.30 million pieces. The main species bred were Red Tilapia (5.06 million Pieces),

Javanese Carp (4.42 million pieces), River Carp(1.40 million pieces), freshwater Catfish (1.19 million pieces), Black Tilapia(0.78 million pieces) and Common Carp (0.71 million pieces). The above species constituted 88.6% of the total production of freshwater fingerlings from government hatcheries. 17.53 million fish seed were distributed to culturists while 4.50 million were released into public waterbodies.

Production of brackishwater fish/prawn fry and fingerlings from government hatcheries in 2000 was 174.08 million pieces. The main species produced were barramundi (138.64 million pieces), tiger prawn (8.42 million pieces) and giant freshwater prawn (5.63 million pieces). A large amount of grouper fry (19 million) that were produced were distributed to private hatcheries for larval rearing trials and some were released into their natural habitats under the stock enhancement programme.

There were 195 private hatcheries producing fish and prawn fry (both freshwater and brackishwater species) to support the aquaculture industry. 2.84 billion prawn fry and 282 million fish fry were produced in 2000.

6. PUBLIC WATERBODIES/INLAND FISHERIES

Public waterbodies/inland fisheries refers to the landing of fish from public waterbodies i.e. rivers, lakes, ex-mining pools and dams. The landings from public waterbodies/inland fisheries increased to 3,549 tonnes in 2000 compared to 3,353 tonnes in 1999 i.e. a rise of 5.8%. Perak, Selangor, Pahang, Johor and Kedah were the main producers.

7. FEEDMILL PRODUCTION

In 2000, there were 31 feedmills in the country that produced 62,868 tonnes of fishfeed. However, the fishfeed produced was insufficient for the growing aquaculture industry and much of it had to be imported.

PETA, CARTA DAN GRAF
MAPS, CHARTS AND GRAPHS

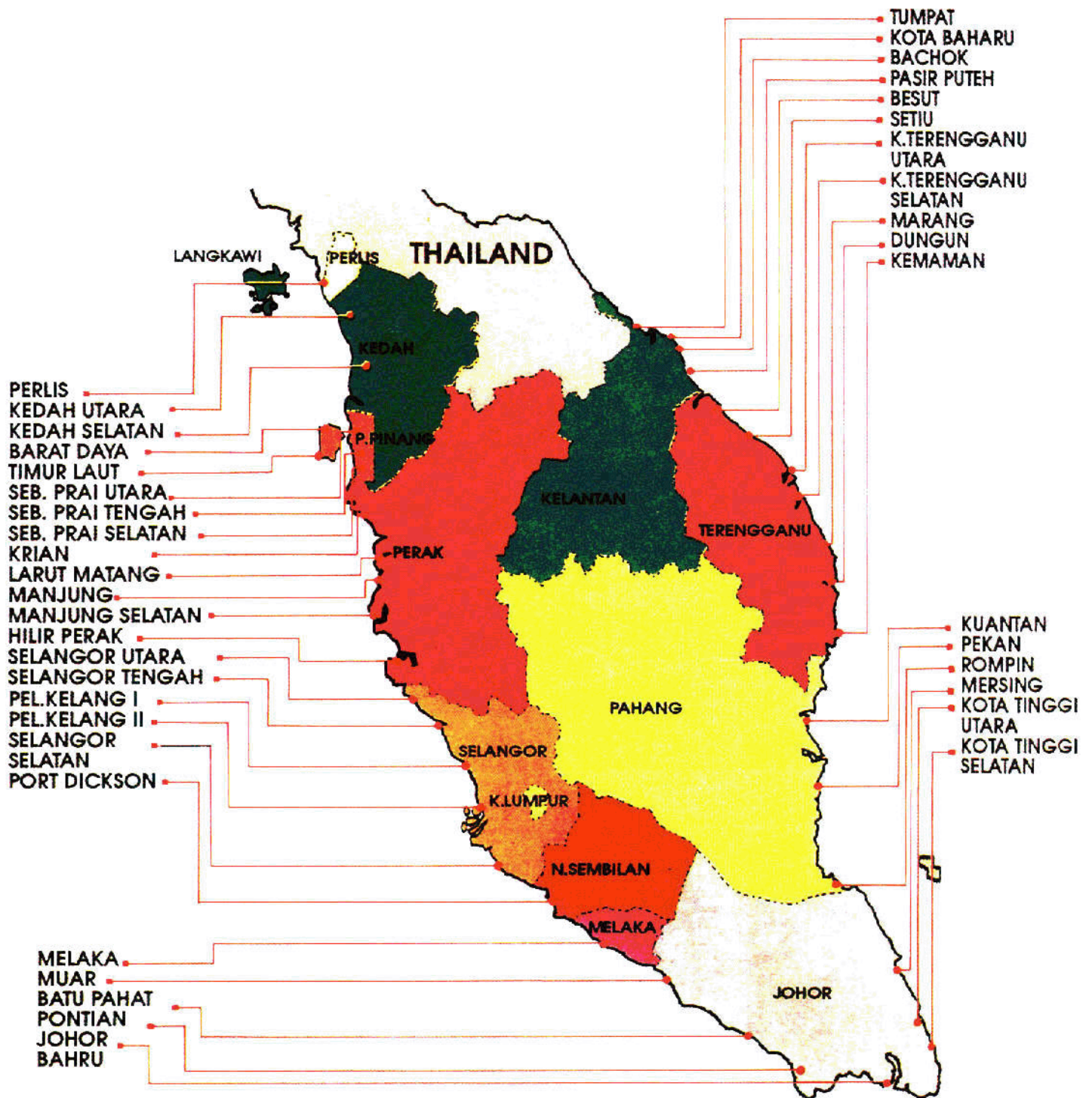
DAERAH-DAERAH PERIKANAN

FISHERIES DISTRICTS

MALAYSIA

MALAYSIA - DAERAH - DAERAH PERIKANAN

Malaysia - Fisheries Districts



SARAWAK

1. SEMANTAN
2. SANTUBONG
3. KUCHING
4. KUALA SADONG
5. BATANG LUPAR
6. SARIBAS/KALAKA
7. SARIKEI/BINTAGOR
8. BELAWAI
9. MATU DARO
10. SIBU/IGAN
11. MUKAH/OYA
12. BINTULU
13. MIRI
14. LIMBANG
15. LAWAS

SABAH

SANDAKAN
BELURAN
PITAS

KOTA MERUDU

KUDAT

KOTA BELUD

TUARAN

KOTA KINABALU

PAPAR

BEAUFORT

KUALA PENYU

SIPITANG

W.P. LABUAN
F.T. LABUAN

SABAH

BRUNEI

LAUT CHINA SELATAN
(SOUTH CHINA SEA)

SARAWAK

KALIMANTAN

TAWAU

KUNAK

SEMPORNA

LAHAD DATU

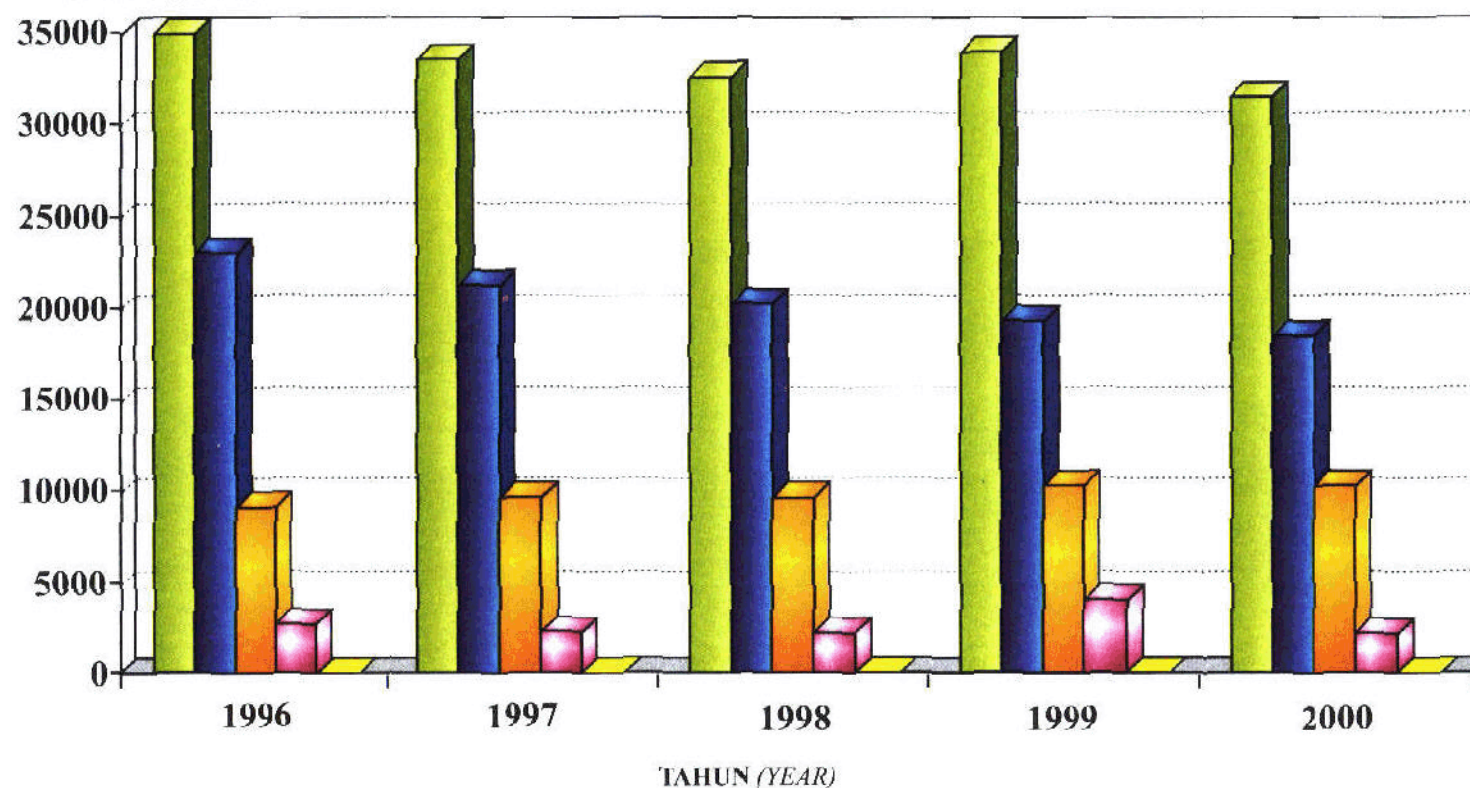
BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN, 1996-2000

(Number Of Fishing Vessels Licensed, 1996-2000)

MALAYSIA

BILANGAN VESEL

(Number Of Vessels)



■ MALAYSIA
 ■ SEM. MALAYSIA
 ■ SABAH
 ■ SARAWAK
 ■ LABUAN
(Peninsular Malaysia)

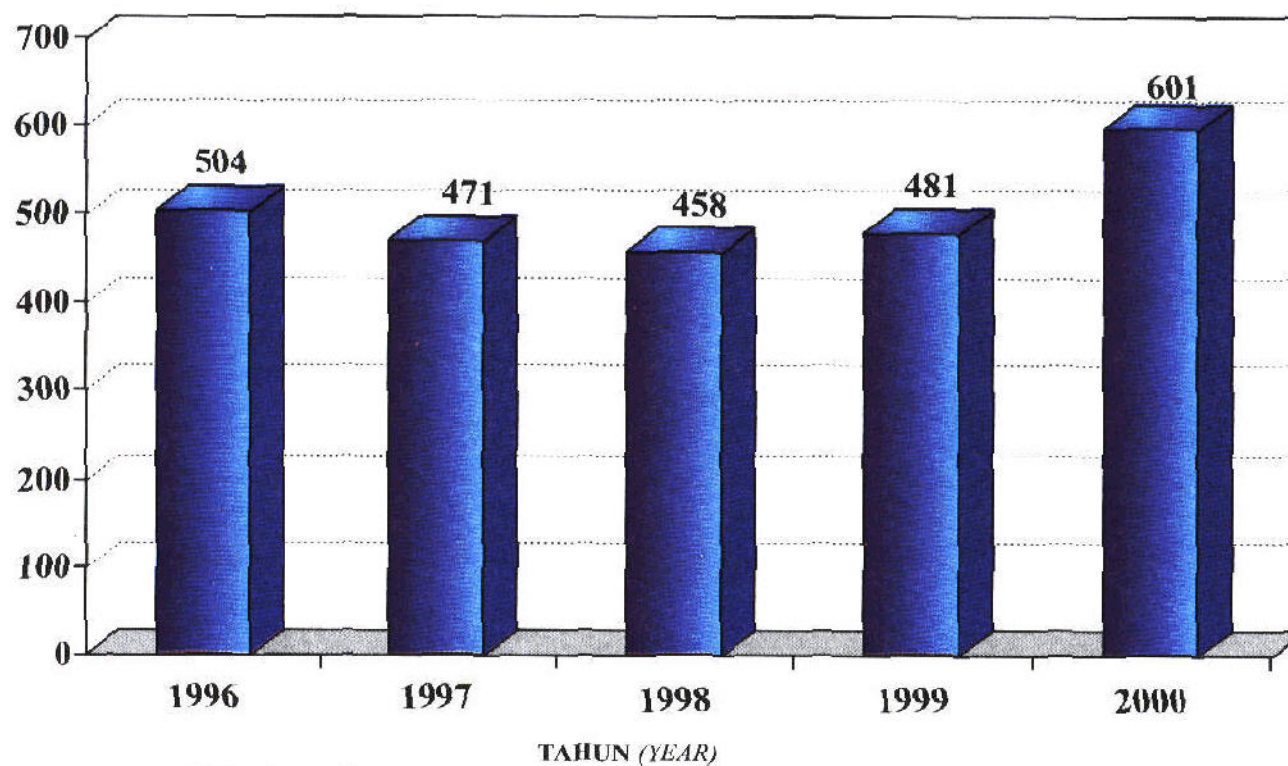
BILANGAN VESEL-VESEL LAUT DALAM YANG DILESENKAN, 1996-2000

(Number Of Deep-Sea Vessels Licensed, 1996-2000)

BILANGAN VESEL

(Number Of Vessels)

MALAYSIA



■ BILANGAN VESEL DILESENKAN

(Number Of Vessels Licensed)

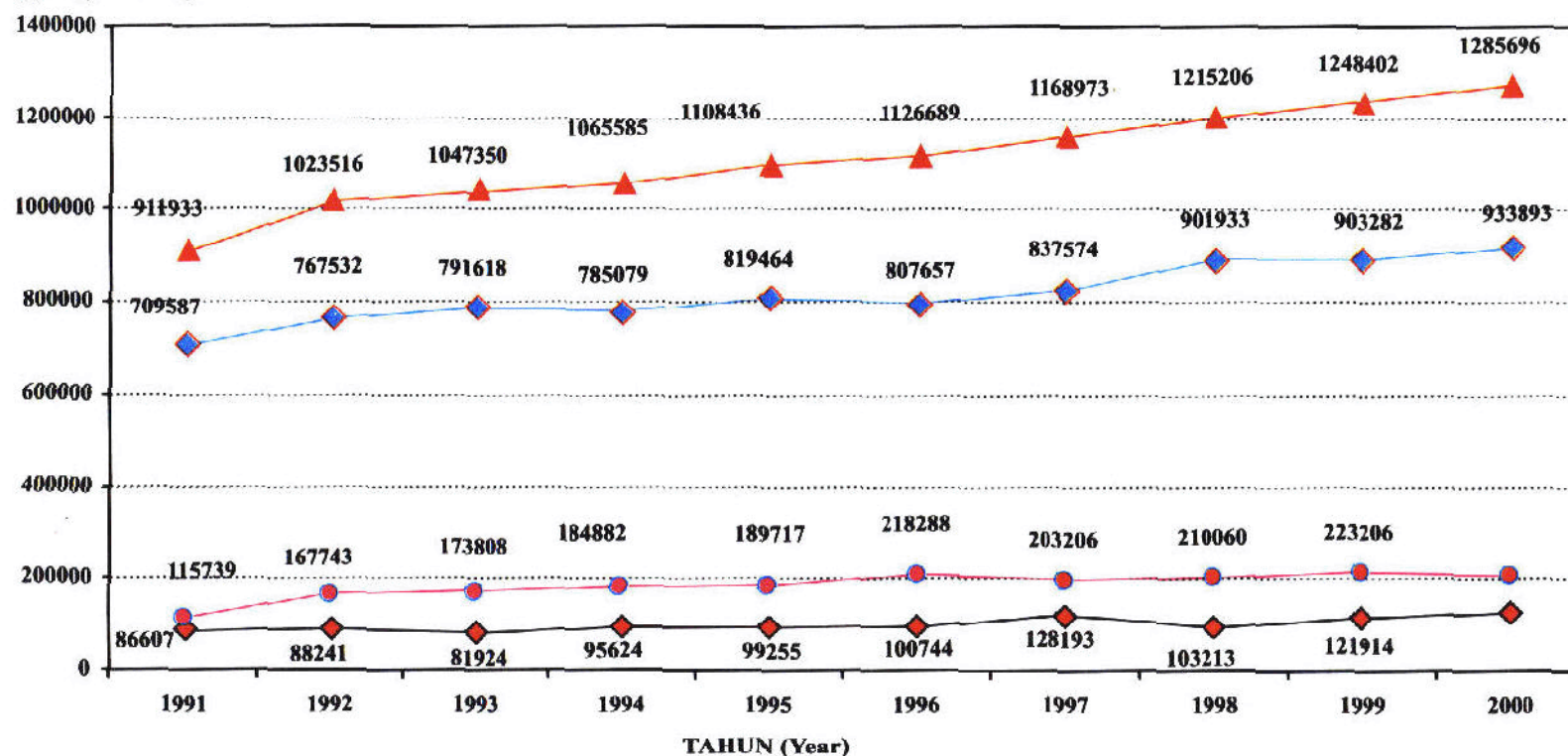
ARAH ALIRAN PENDARATAN IKAN LAUT, 1991-2000

(Trend Of Marine Fish Landings, 1991-2000)

MALAYSIA

KUANTITI DALAM TAN METRIK

(Quantity in Tonnes)



▲ MALAYSIA

◆ SEM.MALAYSIA

◆ SARAWAK

(Peninsular Malaysia)

● SABAH/LABUAN

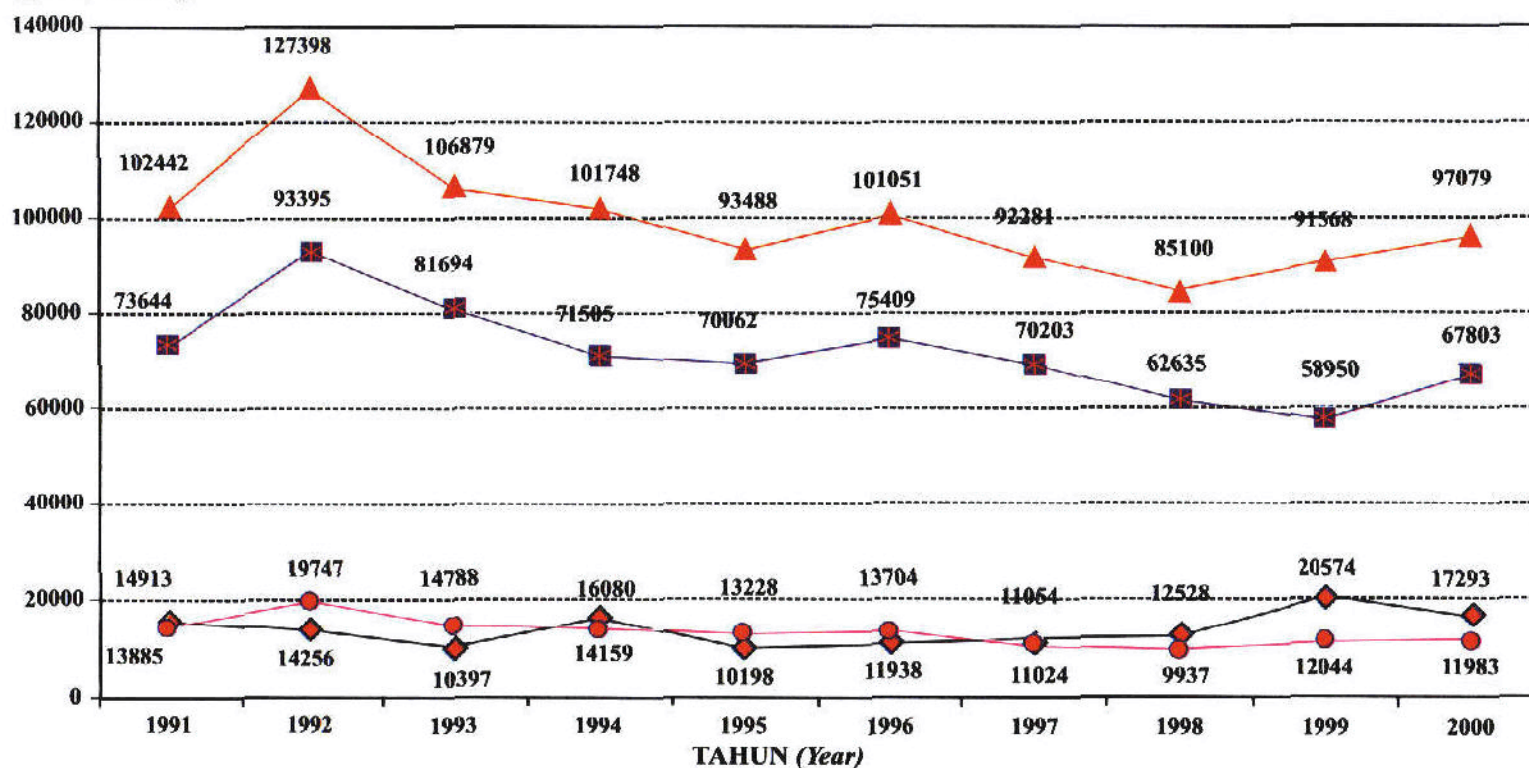
ARAH ALIRAN PENDARATAN UDANG, 1991-2000

(Trend Of Prawn Landings, 1991-2000)

MALAYSIA

KUANTITI DALAM TAN METRIK

(Quantity in Tonnes)



▲ MALAYSIA

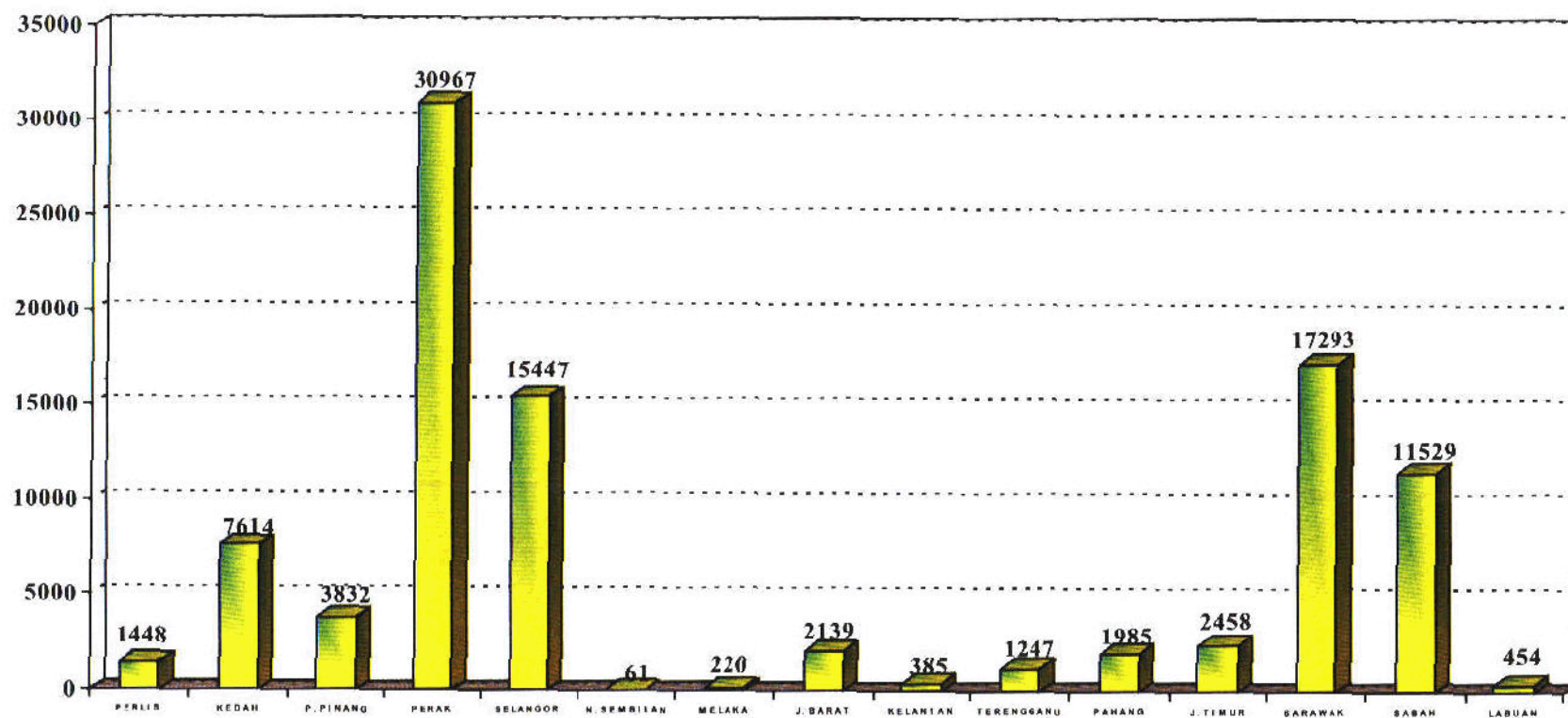
■ SEM. MALAYSIA
(Peninsular Malaysia)

◆ SARAWAK

● SABAH/LABUAN

PENDARATAN UDANG, 2000
(Prawn Landings, 2000)
MALAYSIA

KUANTITI DALAM TAN METRIK
(Quantity in Tonnes)



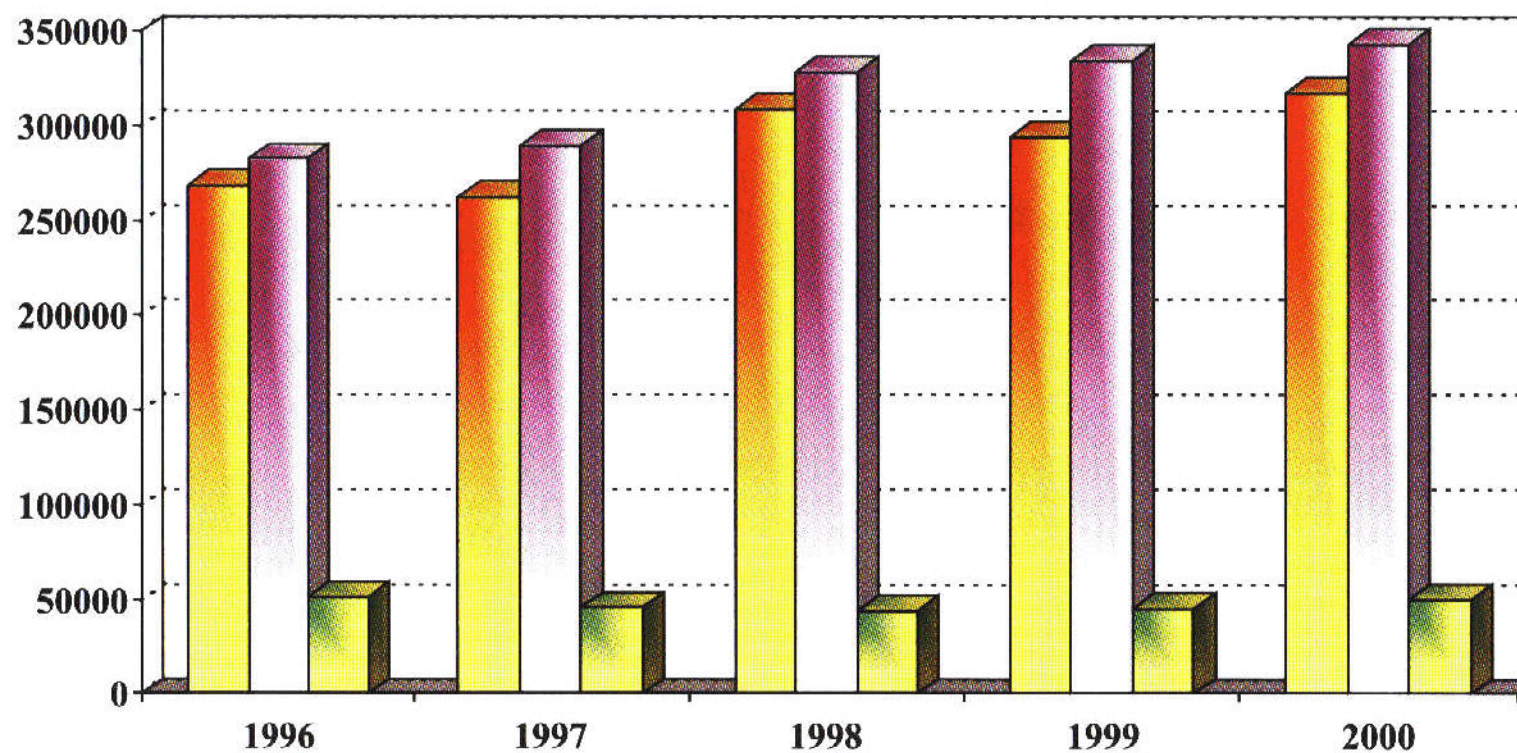
PENDARATAN PUKAT TUNDA, 1996-2000

(Trawl Landings, 1996- 2000)

MALAYSIA

KUANTITI DALAM TAN METRIK

(Quantity in Tonnes)



TAHUN (Year)

 **IKAN BAJA**
(Trash Fish)

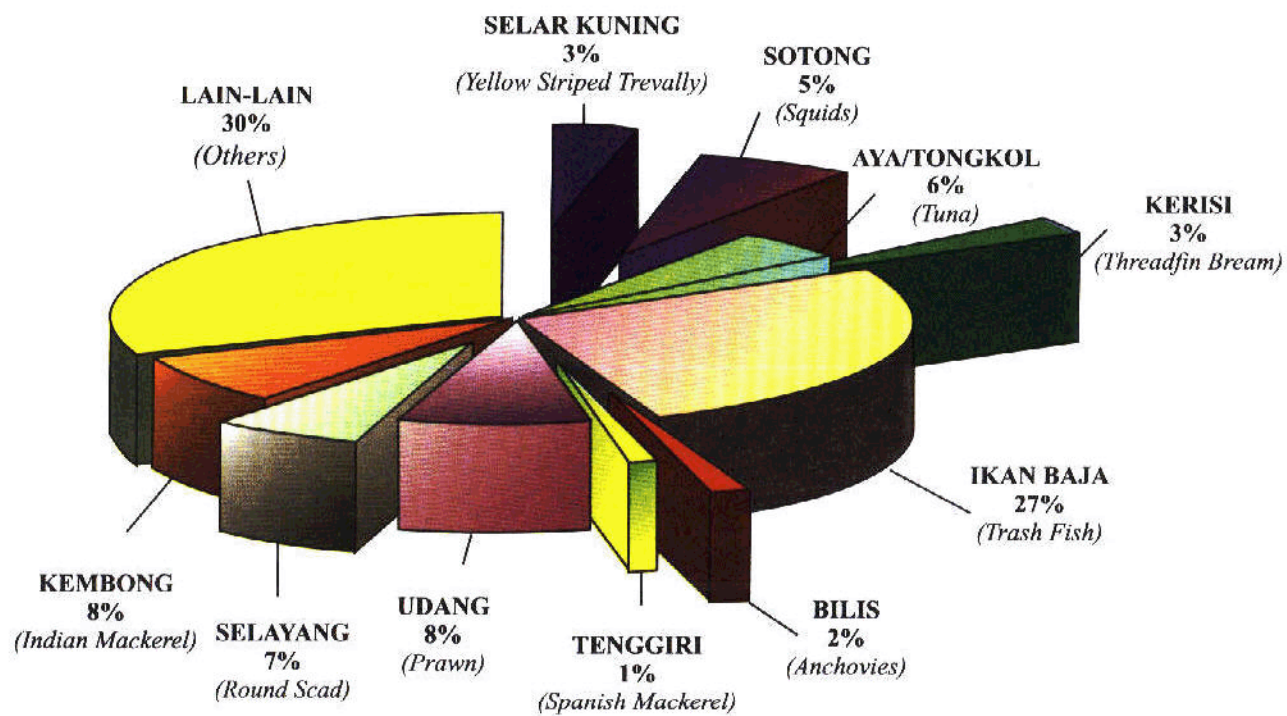
 **IKAN**
(Fish)

 **UDANG**
(Prawns)

PENDARATAN IKAN LAUT MEGIKUT SPESIS UTAMA, 2000

(Landings Of Marine Fish By Main Species, 2000)

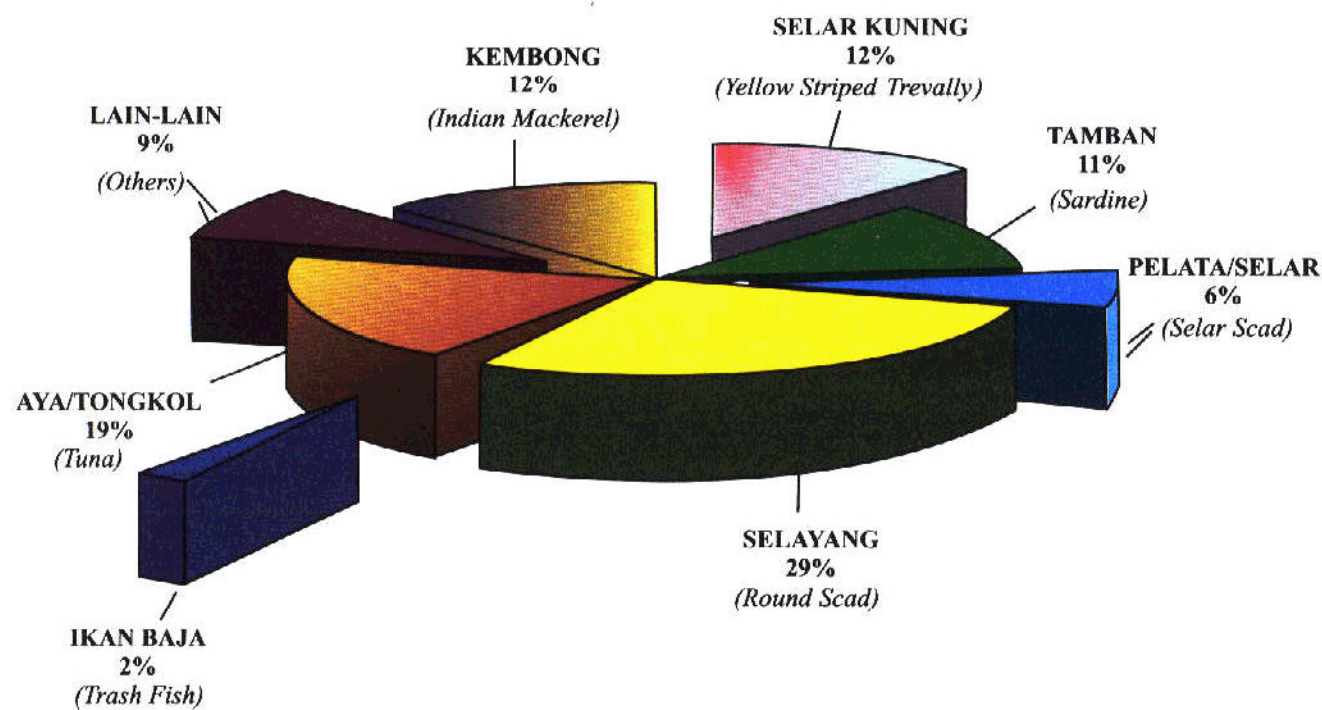
MALAYSIA



PENDARATAN PUKAT JERUT IKAN MEGIKUT SPESIS UTAMA, 2000

(Purse - Seine Fish Landings By Main Species, 2000)

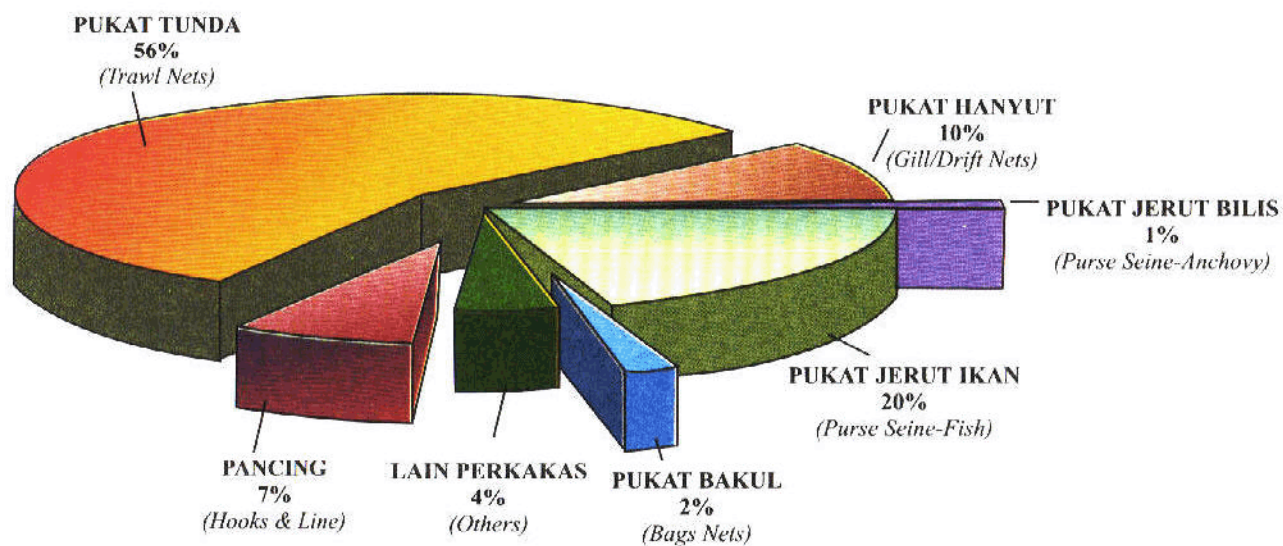
MALAYSIA



PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS, 2000

(Landings Of Marine Fish By Gear Group, 2000)

MALAYSIA



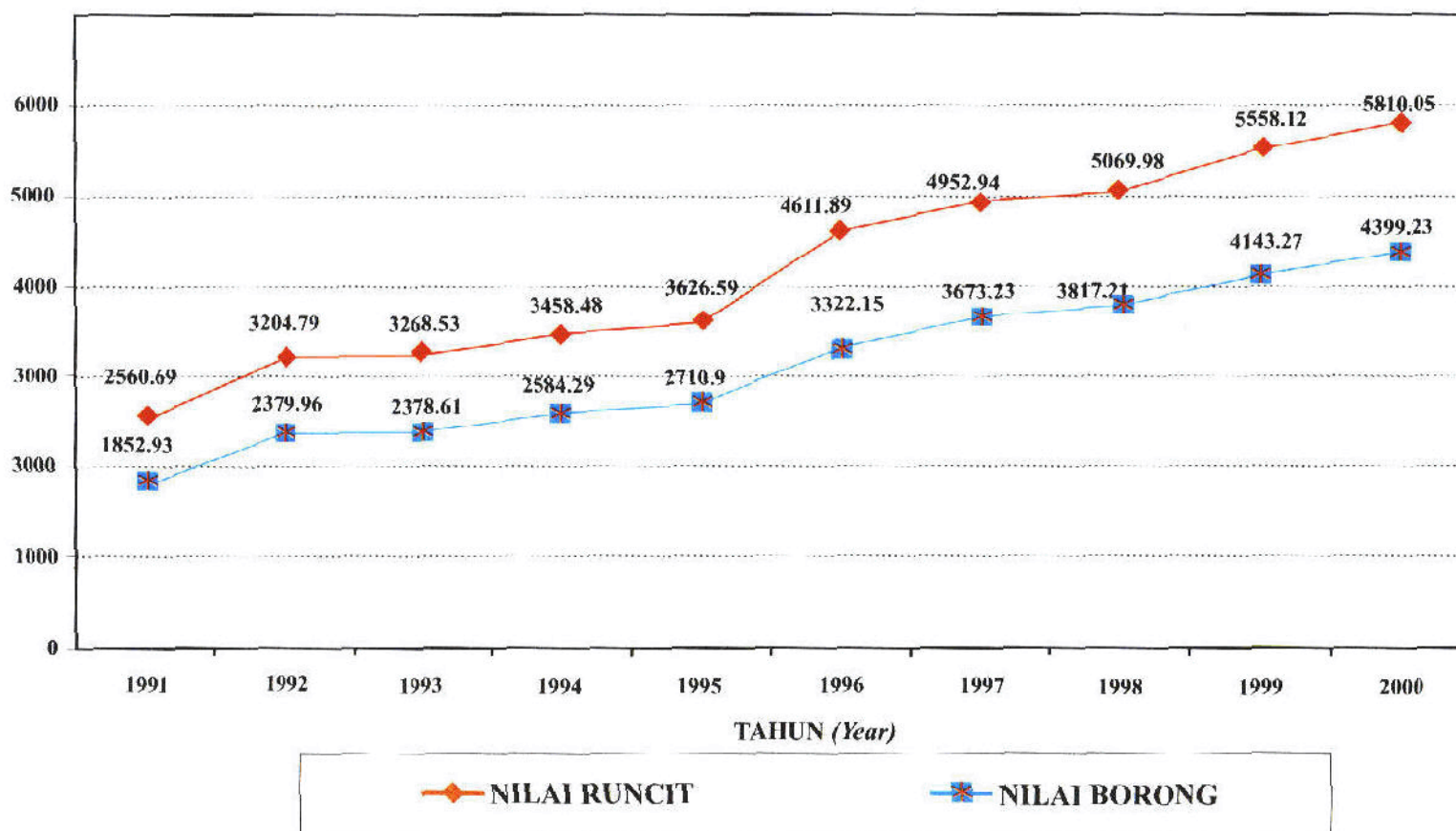
ARAH ALIRAN NILAI PASARAN IKAN LAUT, 1991-2000

(Trend Of Market Values Of Marine Fish, 1991-2000)

MALAYSIA

7000
NILAI DALAM RM JUTA

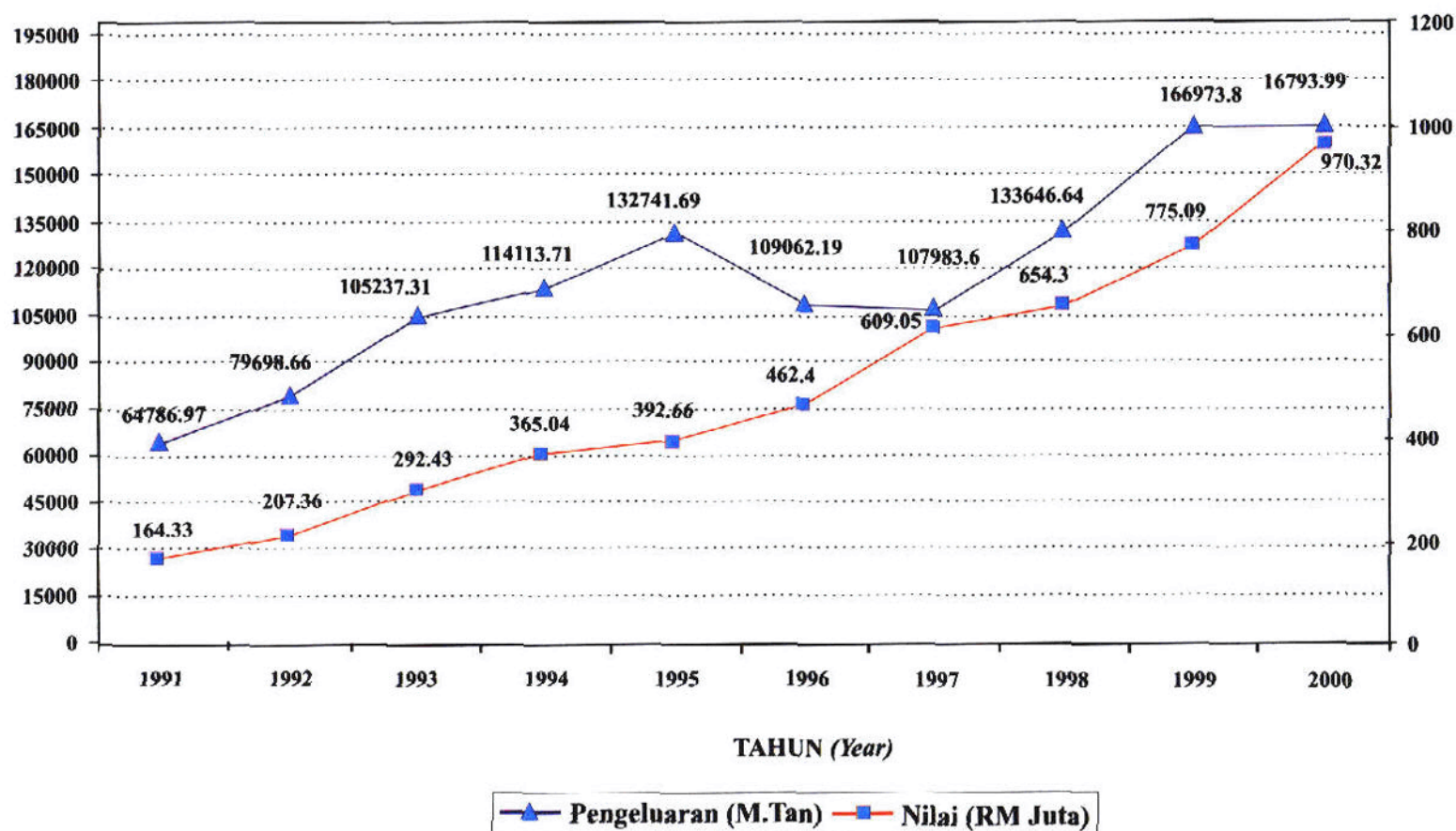
(Values in RM Million)



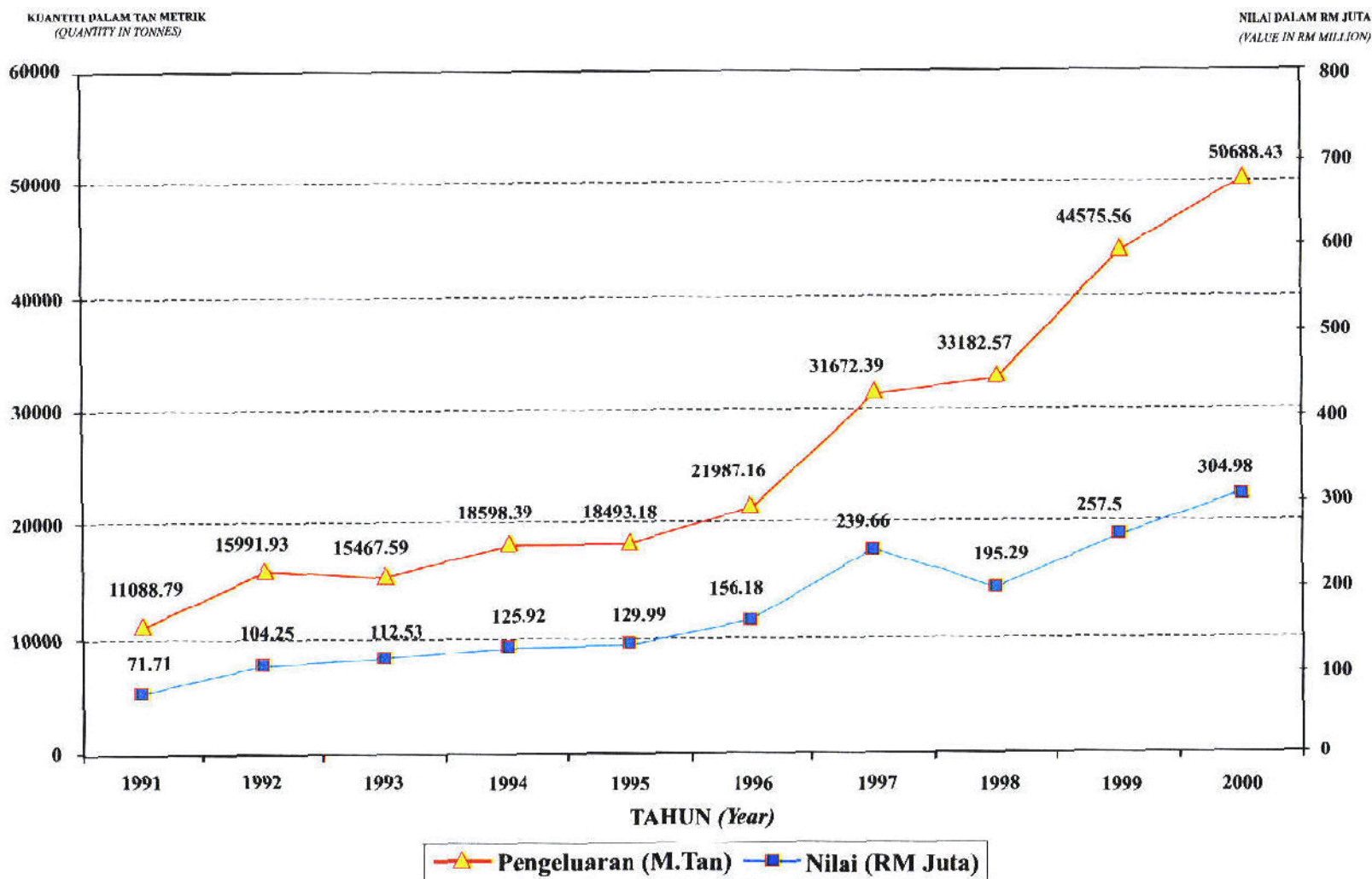
**ANGGARAN PENGELUARAN DAN NILAI PENGELUARAN AKUAKULTUR DARI SEMUA
SISTEM AKUAKULTUR, MALAYSIA, 1991-2000**
(ESTIMATED PRODUCTION AND VALUE OF AQUACULTURE FROM ALL
AQUACULTURE SYSTEM, MALAYSIA, 1991-2000)

KUANTITI DALAM TAN METRIK
(QUANTITY IN TONNES)

NILAI DALAM RM JUTA
(VALUE IN RM MILLION)



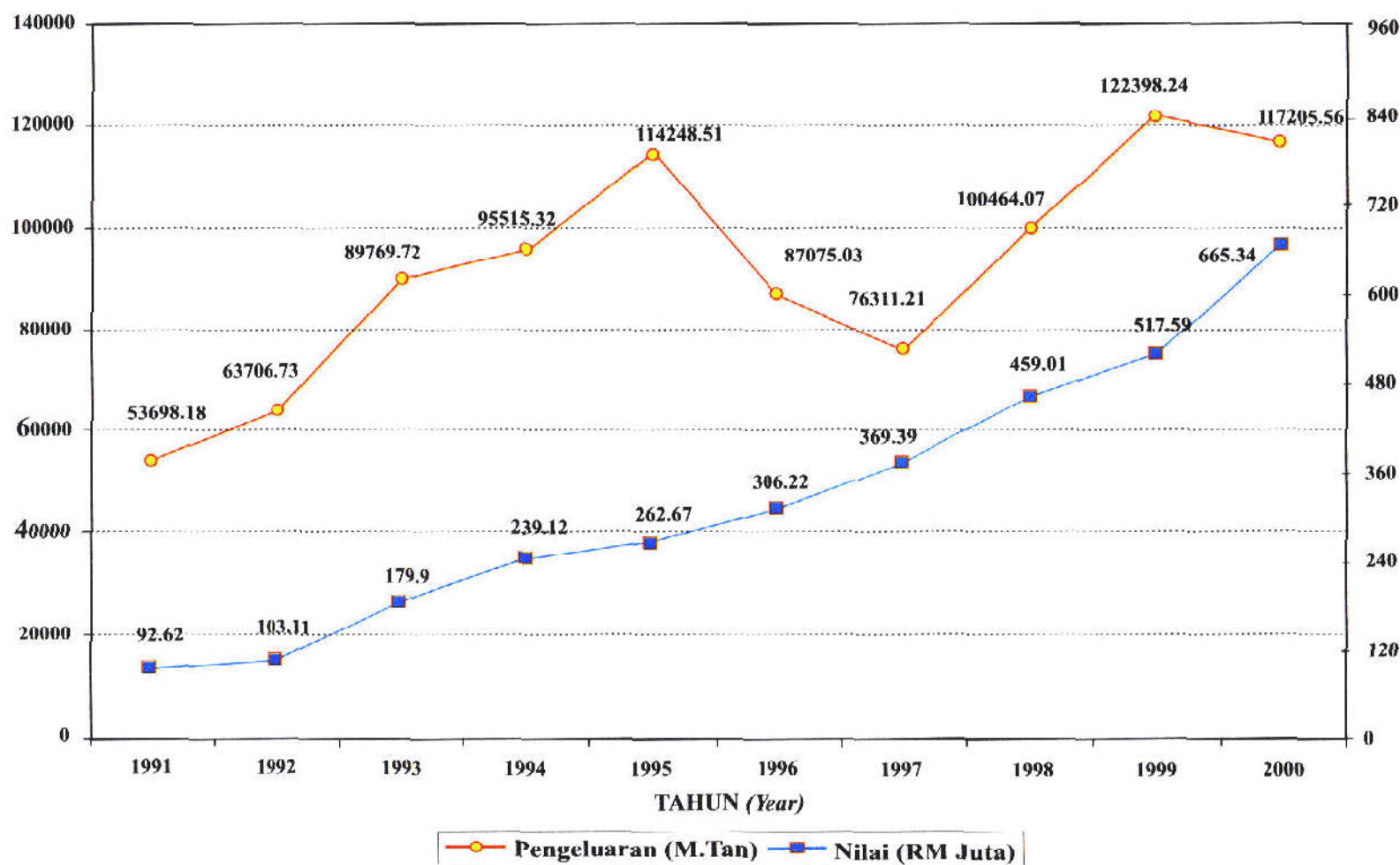
ANGGARAN PENGELUARAN DAN NILAI IKAN AIR TAWAR DARI SEMUA
SISTEM AKUAKULTUR, AIR TAWAR, MALAYSIA, 1991-2000
(ESTIMATED PRODUCTION AND VALUE OF FRESHWATER FROM ALL
FRESHWATER AQUACULTURE SYSTEM, MALAYSIA, 1991-2000)



ANGGARAN PENGELUARAN DAN NILAI AKUAKULTUR DARI SEMUA
SISTEM AKUAKULTUR, AIR PAYAU, MALAYSIA, 1991-2000
(ESTIMATED PRODUCTION AND VALUE OF AQUACULTURE FROM ALL
BRACKISHWATER AQUACULTURE SYSTEM, MALAYSIA, 1991-2000)

KUANTITI DALAM TAN METRIK
(QUANTITY IN TONNES)

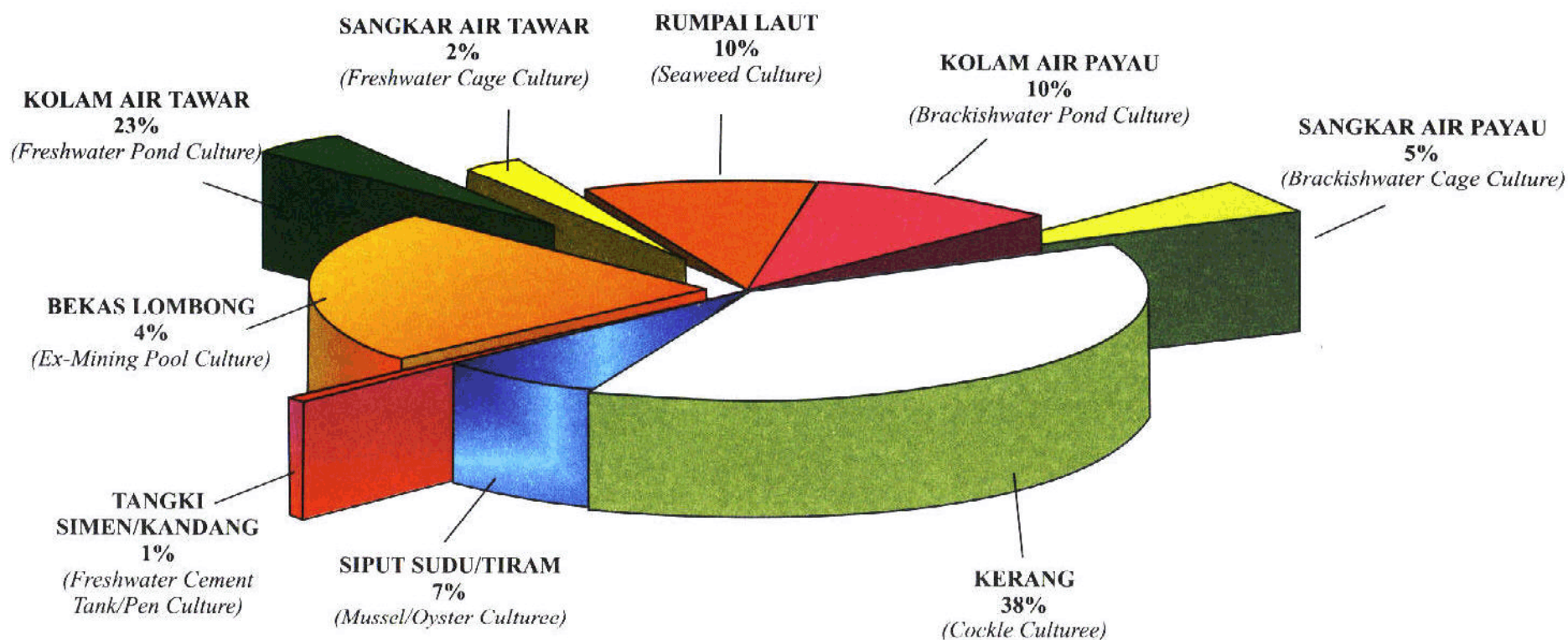
NILAI DALAM RM JUTA
(VALUE IN RM MILLION)



PENGELUARAN AKUAKULTUR MENGIKUT JENIS TERNAKAN, 2000

(Production Of Aquaculture By Type Of Culture, 2000)

MALAYSIA



JADUAL

TABLES

PERIKANAN LAUT
MARINE FISHERIES

JADUAL (TABLE) 1.1

MALAYSIA
BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL-VESEL BERLESEN, 2000
NUMBER OF FISHERMEN WORKING ON LICENSED VESSELS, 2000

Negeri/ State Keturunan Ethnic Group	Pantai Barat/West Coast								Jumlah Kecil Sub- Total	Pantai Timur/East Coast				Jumlah Kecil Sub- Total	Sarawak	Sabah	W.P Labuan Federal Territory	Jumlah Kecil Sub- total	Jumlah Besar Grand Total
	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat West Johor		Kelantan	Terengganu	Pahang	Johor Timur East Johor						
Bumiputera Bumiputeras	1,057	3,998	698	1,072	672	104	533	2,823	10,957	2,017	6,750	2,768	3,040	14,575	6,206	14,835	112	21,153	46,685
Cina Chinese	71	594	1,418	6,318	4,248	145	168	1,447	14,409	0	15	568	1,204	1,787	851	243	10	1,104	17,300
India Indians	0	0	36	121	63	10	0	1	231	0	0	0	0	0	0	0	0	0	231
Portugis Portuguese	0	0	0	0	0	1	45	0	46	0	0	0	0	0	0	0	0	0	46
Thai Thais	4,151	1,053	0	0	0	0	0	0	5,204	1,875	1,812	307	21	4,015	1,099	0	0	1,099	10,318
Indonesia Indonesians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,249	0	0	1,249	1,249
Lain-Lain Others	0	0	10	0	26	4	35	0	75	0	0	0	0	0	0	5,767	323	6,090	6,165
Jumlah Besar Grand Total	5,279	5,645	2,162	7,511	5,009	264	781	4,271	30,922	3,892	8,577	3,843	4,286	20,377	9,405	20,845	445	30,885	81,984

Nota: Bumiputera termasuk Orang Melayu dan Kumpulan Bumiputera Lain.

Note: Bumiputeras including Malay and Other Indigenous Groups.

MALAYSIA

JADUAL (TABLE) 1.2

BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL-VESEL BERLESEN MENGIKUT KUMPULAN PERKAKAS DAN NEGERI, 2000

NUMBER OF FISHERMEN WORKING ON LICENCED VESSELS BY GEAR GROUP AND STATE, 2000

NEGERI / State Kumpulan Perkakas Gear Group	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johor	Kelantan	Terengganu	Pahang	Johor Timur East Johor	Jumlah kecil Sub - Total	Sarawak	Sabah	W.P. Labuan Federal Territory Labuan	Jumlah kecil Sub - Total	Jumlah Besar Grand Total
Pukat Tunda Trawl Nets	862	2,471	287	3,264	2,092	0	0	709	572	895	1,380	1,353	13,885	4,607	5,123	24	9,754	23,639
Pukat Tarik Seine Nets																		
Pukat Jerut Ikan Purse Seine Fish	3,692	720	244	229	140	0	0	0	1,842	4,392	855	876	12,990	359	1,011	37	1,407	14,397
Pukat Jerut Bilis P. Seine - Anchovy	0	1,543	0	81	0	0	0	0	0	123	139	0	1,886	0	285	0	285	2,171
Lain-Lain Other Seines	0	6	315	1,445	8	2	2	12	160	0	3	0	1,953	0	201	0	201	2,154
Pukat Hanyut Gill / Drift Nets	681	800	1,163	2,108	2,149	230	729	3,110	832	822	550	1,609	14,783	3,843	6,134	68	10,045	24,828
Pukat Tangguk Lift Nets	18	38	0	0	0	0	0	0	133	90	52	0	331	0	1,394	0	1,394	1,725
Perangkap/Traps. Belat-Belat Stationary	0	42	0	0	0	0	6	96	0	0	0	74	218	6	149	8	163	381
Bubu Portable	12	3	16	36	40	16	0	86	61	324	317	90	1,001	18	462	21	501	1,502
Pancing Hooks&Lines	14	22	43	92	162	16	44	65	231	1,498	347	263	2,797	181	4,806	128	5,115	7,912
Pukat Bakul Bag Nets	0	0	57	114	314	0	0	93	0	0	0	0	578	307	0	0	307	885
Pukat Surung Push/Scoop Nets	0	0	4	0	0	0	0	0	0	0	0	0	4	18	0	0	18	22
Pukat Rentang Barrier nets	0	0	0	0	30	0	0	7	0	0	0	0	37	66	11	159	236	273
Memungut Siput Shellfish Collection	0	0	0	109	9	0	0	17	0	0	0	0	135	0	219	0	219	354
Pembawa Ikan Fish Carriers	0	0	30	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30
Rampalan Miscellaneous	0	0	3	33	65	0	0	76	61	433	0	0	671	0	1,050	0	1,050	1,721
Jumlah/Total	5,279	5,645	2,162	7,511	5,009	264	781	4,271	3,892	8,577	3,643	4,265	51,299	9,405	20,845	445	30,695	81,994

MALAYSIA

**BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL-VESEL YANG DILESENKAN
MENGIKUT DAERAH-DAERAH PERIKANAN, 2000
NUMBER OF FISHERMEN WORKING ON LICENCED FISHING VESSELS
BY FISHERIES DISTRICTS, 2000**

Daerah - Daerah Perikanan <i>Fisheries Districts</i>	Nelayan-Nelayan/ <i>Fisherman</i>				Jumlah <i>Total</i>
	Bumiputera <i>Bumiputeras</i>	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-Lain <i>Others</i>	
SEMENANJUNG MALAYSIA <i>(PENINSULAR MALAYSIA)</i>					
1 Kuala Perlis	1,057	71	0	4,151	5,279
2 Langkawi	842	8	0	981	1,831
3 Kedah Utara	1,838	501	0	72	2,411
4 Kedah Selatan	1,318	85	0	0	1,403
5 Timur Laut/P.Pinang	154	272	21	9	456
6 Barat Daya/P.Pinang	180	426	2	1	609
7 Seberang Prai Utara	181	88	3	0	272
8 Seberang Prai Tengah	45	14	0	0	59
9 Seberang Prai Selatan	138	618	10	0	766
10 Krian	266	1,858	17	0	2,141
11 Larut & Matang	184	1,603	5	0	1,792
12 Manjung	502	1,526	97	0	2,125
13 Hilir Perak	120	1,331	2	0	1,453
14 Selangor Utara	170	1,612	0	0	1,782
15 Selangor Tengah	147	928	4	0	1,079
16 Pelabuhan Kelang 1	4	903	2	4	913
17 Pelabuhan Kelang 2	191	557	6	2	756
18 Selangor Selatan	160	248	51	20	479
19 Port Dickson	104	145	10	5	264
20 Melaka	533	168	0	80	781
21 Muar	780	266	0	0	1,046
22 Batu Pahat	647	474	0	0	1,121
23 Pontian	624	554	0	0	1,178
24 Johor Bharu	772	153	1	0	926
25 Pengerang(Kota Tinggi)	827	538	0	0	1,365
26 Sedeli	735	248	0	9	992
27 Mersing	1,478	418	0	12	1,908
28 Kuantan	1,215	360	0	276	1,851
29 Pekan	870	18	0	4	892
30 Kuala Rompin	683	190	0	27	900
31 Kemaman	1,245	3	0	85	1,333
32 Dungun	1,020	1	0	0	1,021
33 Marang	864	0	0	151	1,015
34 Kuala Terengganu Utara	697	1	0	28	726
35 Kuala Terengganu Selatan	1,093	0	0	505	1,598
36 Besut	1,251	0	0	1,016	2,267
37 Setiu	580	10	0	27	617
38 Kota Bharu	502	0	0	230	732
39 Bachok& Pasir Putih	590	0	0	1,516	2,106
40 Tumpat	925	0	0	129	1,054
Jumlah Kecil <i>Sub-Total</i>	25,532	16,196	231	9,340	51,299

samb. Dari Jadual 1.3
(cont'd From Table 1.3)

Daerah - Daerah Perikanan <i>Fisheries Districts</i>	Nelayan-Nelayan/ <i>Fishermen</i>				
	Bumiputera <i>Bumiputeras</i>	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
SARAWAK					
1 Bandar Kuching	1,316	281	0	710	2,307
2 Santubong	658	36	0	85	779
3 Pendam(Sadong Jaya)	320	10	0	0	330
4 Sematan	97	7	0	0	104
5 Batang Lupar (Sebuyau)	411	15	0	0	426
6 Saribas/Kalaka(Kabong)	449	7	0	0	456
7 Sibu/Igan	404	177	0	236	817
8 Sarikei/Bitangor	183	115	0	1,157	1,455
9 Mukah/Oya	543	5	0	0	548
10 Belawai	81	9	0	0	90
11 Matu Daro	243	15	0	0	258
12 Bintulu	429	51	0	22	502
13 Miri	691	123	0	138	952
14 Limbang	77	0	0	0	77
15 Lawas	304	0	0	0	304
Jumlah Kecil/Sub - Total	6,206	851	0	2,348	9,405
SABAH					
1 Tawau	1,130	105	0	801	2,036
2 Semporna	723	0	0	1,058	1,781
3 Kunak	242	35	0	392	669
4 Lahad Datu	519	1	0	281	801
5 Sandakan	2,228	7	0	1,752	3,987
6 Beluran	1,560	0	0	8	1,568
7 Kudat	2,192	18	0	705	2,915
8 Kota Marudu	711	2	0	0	713
9 Pitas	650	0	0	0	650
10 Kota Belut	1,203	0	0	0	1,203
11 Tuaran	490	0	0	0	490
12 Kota Kinabalu	987	41	0	691	1,719
13 Papar	353	3	0	0	356
14 Beaufort	718	0	0	0	718
15 Kuala Penyu	743	29	0	79	851
16 Sipitang	386	2	0	0	388
Jumlah Kecil/Sub - Total	14,835	243	0	5,767	20,845
W.P LABUAN/LABUAN FT					
1 Kg Bebuloh	19	10	0	0	29
2 Kg Ranca-Ranca	16	0	0	0	16
3 Kg Lubok Temiang	9	0	0	0	9
4 Kg Batu Manikar	10	0	0	0	10
5 Kg Tg. Aru	6	0	0	0	6
6 Kg Miri/Lada/Pagar	2	0	0	0	2
7 Kg Patau Patau	24	0	0	0	24
8 Lain Lain Kampung	26	0	0	323	349
Jumlah Kecil/Sub - Total	112	10	0	323	445
Jumlah Besar/Grand Total	46,685	17,300	231	17,778	81,994

Nota: Bumiputera Termasuk Orang Melayu dan Kumpulan Bumiputera lain.

Note: Bumiputeras including Malay and Other Indigenous Groups.

JADUAL (TABLE) 1.4

MALAYSIA
BILANGAN NELAYAN ASING YANG DILULUSKAN MENGIKUT NEGERI, 2000
NUMBER OF APPROVED FOREIGN FISHERMEN BY STATE, 2000

Negeri/ State Keturunan Ethnic Group	Pantai Barat/West Coast								Jumlah Kecil Sub- Total	Pantai Timur/East Coast				Jumlah Kecil Sub - Total	Sarawak	Sabah	W.P Labuan Federal Territory	Jumlah Kecil Sub-total	Jumlah Besar Grand Total
	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat West Johor		Kelantan	Terengganu	Pahang	Johor Timur East Johor						
Thai Thais	1,855	696	0	0	0	0	0	0	2,551	1,875	1,812	627	99	4,413	1,099	0	0	1,099	8,063
Indonesia Indonesian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,249	0	52	1,301	1,301
Lain-Lain Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,767	35	5,802	5,802
Jum. Besar Grand Total	1,855	696	0	0	0	0	0	0	2,551	1,875	1,812	627	99	4,413	2,348	5,767	87	8,202	15,166

Nota: Bilangan yang diluluskan tidak semestinya menggambarkan bilangan nelayan yang bekerja di atas vesel.

Note: The approval given does not necessarily reflect the actual number of fishermen working on licenced vessels.

MALAYSIA

JADUAL (TABLE) 2.1

BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT NEGERI DAN KELAS MUATAN 2000

NUMBER OF LICENCED FISHING VESSELS BY STATE AND TONNAGE CLASS, 2000

Jenis Type Negeri State	Jumlah Total	Vesel Tidak Berjentera Non - Powered Vessels	Vesel Berjentera Sangkut Outboard - Powered Vessels	Vesel Berjentera Dalam / In Board-Powered Vessels								
				Jumlah Kecil Sub-Total	0-4.9 GRT	5-9.9 GRT	10-14.9 GRT	15-19.9 GRT	20-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Keatas (& Above)
Pantai Barat/West Coast:												
Perlis	587	0	44	543	49	102	40	47	46	87	129	43
Kedah	1,341	0	485	856	227	73	45	49	75	206	116	65
Pulau Pinang/Penang	1,241	4	729	508	39	335	13	1	2	82	35	1
Perak	4,111	43	802	3,266	505	1,158	378	529	119	138	364	75
Selangor	2,237	86	400	1,751	54	867	178	200	140	184	126	2
Negeri Sembilan	185	0	143	42	1	38	3	0	0	0	0	0
Melaka/Malacca	674	6	548	120	4	107	9	0	0	0	0	0
Johor Barat/West Johor	2,719	24	1,998	697	106	315	81	129	54	12	0	0
Jumlah/Total	13,095	163	5,149	7,783	985	2,995	747	955	436	709	770	186
Pantai Timur/East Coast:												
Kelantan	1,015	0	201	814	252	147	150	77	15	33	47	93
Terengganu	2,054	1	150	1,903	352	562	367	223	129	140	76	54
Pahang	1,039	5	189	845	39	239	180	49	29	81	152	76
Johor Timur/East Johor	1,361	15	551	795	74	209	131	55	22	99	156	49
Jumlah/Total	5,469	21	1,091	4,357	717	1,157	828	404	195	353	431	272
Malaysia:												
Semenanjung Malaysia/ (Peninsular Malaysia)	18,564	184	6,240	12,140	1,702	4,152	1,575	1,359	631	1,062	1,201	458
Sarawak	2,346	4	746	1,596	422	307	226	112	74	115	149	191
Sabah	10,456	2,524	4,653	3,279	555	1,199	614	231	220	402	52	6
W.Persekutuan Labuan/ Labuan F. Territory	165	0	150	15	0	0	0	0	5	2	1	7
Jumlah Besar Grand Total	31,531	2,712	11,789	17,030	2,679	5,658	2,415	1,702	930	1,581	1,403	662

Nota / Note: GRT- Gross Relative Tonnage.

MALAYSIA
BILANGAN VESEL MENANGKAP IKAN DILESENKAN MENGIKUT NEGERI DAN KUASA KUDA, 2000
NUMBER OF LICENCED FISHING VESSELS BY STATE AND HORSEPOWER, 2000

Negeri/ State Kuasa/Kuda Horsepower	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johor	Jumlah Kecil Sub - Total	Kelantan	Terengganu	Pahang	Johor Timur East Johor	Jumlah Kecil Sub - Total	Sarawak	Sabah	W.P Labuan Federal Territory	Jumlah Kecil Sub - total	Jumlah Besar Grand Total
Enjin Dalam/ Inboard Powered																			
Kurang dari 5k.k (Under 5 h.p)	2	14	0	7	0	0	0	8	31	28	16	2	5	51	221	122	0	343	425
5-9 k.k(h.p)	11	21	0	7	0	0	2	54	95	255	75	7	6	343	432	301	0	733	1,171
10-19 "	47	70	19	122	56	3	39	71	427	107	359	53	137	656	355	245	0	600	1,663
20-39 "	90	100	27	72	504	25	71	210	1,099	216	718	286	196	1,416	240	163	2	405	2,920
40-59 "	32	70	12	206	14	2	1	31	368	15	77	27	19	138	29	603	1	633	1,139
60-99 "	22	95	64	208	76	3	1	89	558	17	184	70	40	311	184	275	2	461	1,330
100-149 "	50	139	233	1,434	413	9	6	69	2,353	27	210	54	62	353	75	296	2	373	3,079
150-249 "	171	189	84	599	342	0	0	141	1,506	39	159	38	100	336	52	750	1	803	2,645
250 k.k keatas (250 h.p & Above)	118	158	89	611	346	0	0	24	1,346	110	105	308	230	753	8	524	7	539	2,638
Jumlah Kecil/ Sub - Total	643	856	608	3,266	1,761	42	120	697	7,783	814	1,903	846	796	4,367	1,596	3,279	16	4,890	17,030
Enjin Sangkut/ Outboard - Powered																			
Kurang dari 5k.k (Under 5 h.p)	4	38	55	227	25	23	39	469	880	109	60	20	117	306	110	252	0	362	1,548
5-9 k.k(h.p)	37	330	74	137	110	21	149	547	1,405	86	50	89	139	364	93	378	12	483	2,252
10-19 "	3	94	152	157	147	58	273	593	1,477	5	31	49	165	250	126	1,746	35	1,907	3,634
20-39 "	0	17	182	171	94	28	84	234	810	1	9	29	98	137	105	1,854	20	1,979	2,926
40-59 "	0	0	265	110	24	13	2	155	569	0	0	2	32	34	272	361	58	689	1,292
60-99 "	0	6	0	0	0	0	0	0	6	0	0	0	0	0	39	62	27	128	134
100-149 "	0	0	1	0	0	0	1	0	2	0	0	0	0	0	1	0	0	1	3
150-249 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 k.k keatas (250 h.p & Above)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah Kecil/ Sub -Total	44	496	729	902	400	143	548	1,998	5,149	201	150	189	561	1,091	746	4,663	160	539	11,789
Jumlah Besar/ Grand Total	587	1,341	1,237	4,068	2,151	185	668	2,696	12,932	1,015	2,053	1,034	1,346	5,448	2,342	7,932	166	5,429	28,819

MALAYSIA JADUAL (TABLE) 2.3
BILANGAN VESEL MENANGKAP IKAN BERLESEN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN KELAS MUATAN, 2000
NUMBER OF LICENCED FISHING VESSELS BY GEAR GROUP, TYPE AND TONNAGE CLASS, 2000

Jenis Dan Kelas Muatan/ Type And Tonnage Class Kumpulan Perkakas/ Gear Group	Jumlah Total	Vesel Tidak Berjentera Non - Powered Vessels	Vesel Berjentera Sangkut Outboard - Powered Vessels	SEM. MALAYSIA (PEN. MALAYSIA) Vesel Berjentera Dalam (Inboard-powered Vessels)									Bilangan Vesel/No of Vessels		
				Jumlah Kecil Sub-Total	0-4.9 GRT	5-9.9 GRT	10-14.9 GRT	15-19.9 GRT	20-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Keatas (& Above)	Sarawak	Sabah	W.P Labuan
Pukat Tunda Trawl nets	6,159	0	0	4,105	6	97	498	1,008	476	920	884	216	628	1,422	4
Pukat Tarik Seine Nets															
Pukat Jerut Ikan Purse Seine Fish	921	0	0	767	1	18	54	57	51	101	304	181	22	124	8
Pukat Jerut Bilis Purse Seine Anchovy	140	0	0	98	0	11	6	10	1	1	10	59	0	42	0
Lain-Lain Other Seine	191	5	44	86	25	61	0	0	0	0	0	0	0	56	0
Pukat Hanyut Gill/Drift Nets	16,471	120	5,685	4,918	1,203	3,037	552	91	21	13	1	0	1,370	4,356	22
Pukat Tangguk Lift Nets	447	0	0	91	15	46	23	3	4	0	0	0	0	356	0
Perangkap / Traps															
Belat-Belat Stationary	221	2	80	2	2	0	0	0	0	0	0	0	6	129	2
Bubu Portable	684	3	68	301	16	101	111	35	32	4	2	0	11	294	7
Pancing Hooks & Lines	4,372	8	228	1,282	241	526	291	155	46	23	0	0	59	2,734	61
Pukat Bakul Bag Nets	514	8	50	263	88	157	18	0	0	0	0	0	193	0	0
Pukat Surung Push / Scoop Nets	28	0	0	4	4	0	0	0	0	0	0	0	16	0	8
Pukat Rentang Barrier Nets	115	1	2	13	1	12	0	0	0	0	0	0	41	5	53
Memungut Siput Shellfish Collection	265	3	22	106	83	23	0	0	0	0	0	0	0	134	0
Pembawa Ikan Fish Carriers	41	5	1	35	1	28	4	0	0	0	0	2	0	0	0
Rampalan Miscellaneous	962	29	60	69	16	35	18	0	0	0	0	0	0	804	0
Jumlah/Total	31,531	184	6,240	12,140	1,702	4,152	1,575	1,359	631	1,062	1,201	458	2,348	10,456	166

Nota / Note: GRT- Gross Registered Tonnage.

MALAYSIA
BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT
DAERAH-DAERAH PERIKANAN, 2000
NUMBER OF LICENCED FISHING VESSELS BY FISHERIES DISTRICTS, 2000

Daerah - Daerah Perikanan <i>Fisheries Districts</i>	VESEL VESEL MENANGKAP IKAN (<i>Fishing Vessels</i>)			
	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera <i>Non - Powered</i>	Jumlah Total
SEMENANJUNG MALAYSIA (<i>PENINSULAR MALAYSIA</i>)				
1 Kuala Perlis	543	44	0	587
2 Langkawi	118	260	0	378
3 Kedah Utara	621	60	0	681
4 Kedah Selatan	117	165	0	282
5 Timur Laut/P.Pinang	60	193	0	253
6 Barat Daya/P.Pinang	129	336	0	465
7 Seberang Prai Utara	95	56	1	152
8 Seberang Prai Tengah	1	55	1	57
9 Seberang Prai Selatan	223	89	2	314
10 Krian	980	264	19	1,263
11 Larut & Matang	973	92	2	1,067
12 Manjung	706	376	14	1,096
13 Hilir Perak	607	70	8	685
14 Selangor Utara	605	94	0	699
15 Selangor Tengah	413	54	11	478
16 Pelabuhan Kelang 1	388	4	0	392
17 Pelabuhan Kelang 2	215	142	75	432
18 Selangor Selatan	130	106	0	236
19 Port Dickson	42	143	0	185
20 Melaka	120	548	6	674
21 Muar	197	330	9	536
22 Batu Pahat	238	281	1	520
23 Pontian	255	475	14	744
24 Johor Bharu	7	912	0	919
25 Pengerang(Kota Tinggi)	87	474	15	576
26 Sedeli	247	29	0	276
27 Mersing	461	48	0	509
28 Kuantan	387	34	5	426
29 Pekan	279	100	0	379
30 Kuala Rompin	179	55	0	234
31 Kemaman	369	2	0	371
32 Dungun	304	23	1	328
33 Marang	191	69	0	260
34 Kuala Terengganu Utara	223	32	0	255
35 Kuala Terengganu Selatan	339	15	0	354
36 Besut	344	0	0	344
37 Setiu	133	9	0	142
38 Kota Bharu	194	70	0	264
39 Bachok& Pasir Putih	338	57	0	395
40 Tumpat	282	74	0	356
Jumlah Kecil <i>Sub - Total</i>	12,140	6,240	184	18,564

Daerah - Daerah Perikanan <i>Fisheries Districts</i>	Vesel-vesel Menangkap Ikan (<i>Fishing Vessels</i>)			
	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera <i>Non-Powered</i>	Jumlah <i>Total</i>
SARAWAK				
1 Bandar Kuching	242	0	0	242
2 Santubong	142	140	0	282
3 Pendam(Sadong Jaya)	124	27	3	154
4 Sematan	20	22	0	42
5 Batang Lupar (Sebuyau)	170	1	0	171
6 Saribas/Kalaka(Kabong)	222	2	0	224
7 Sibu/Igan	91	32	0	123
8 Sarikei/Bitangor	62	0	0	62
9 Mukah/Oya	90	30	0	120
10 Belawai	108	0	0	108
11 Matu Daro	123	15	0	138
12 Bintulu	85	31	0	116
13 Miri	117	156	1	274
14 Limbang	0	77	0	77
15 Lawas	0	213	0	213
Jumlah Kecil/Sub -Total	1,596	746	4	2,346
SABAH				
1 Tawau	150	670	295	1,115
2 Semporna	452	165	283	900
3 Kunak	12	94	90	196
4 Lahad Datu	146	108	112	366
5 Sandakan	854	360	485	1,699
6 Beluran	164	634	178	976
7 Kudat	936	255	75	1,266
8 Kota Marudu	37	390	129	556
9 Pitas	67	220	131	418
10 Kota Belut	93	340	343	776
11 Tuaran	35	162	61	258
12 Kota Kinabalu	246	254	15	515
13 Papar	1	145	20	166
14 Beaufort	38	383	65	486
15 Kuala Penyu	7	323	239	569
16 Sipitang	41	150	3	194
Jumlah Kecil/Sub -Total	3,279	4,653	2,524	10,456
W.P LABUAN/LABUAN FT				
1 Kg Bebuloh	0	39	0	39
2 Kg Ranca-Ranca	1	39	0	40
3 Kg Lubok Temiang	0	16	0	16
4 Kg Batu Manikar	0	0	0	0
5 Kg Tg. Aru	1	26	0	27
6 Kg Miri/Lada/Pagar	0	5	0	5
7 Kg Patau Patau	1	25	0	26
8 Lain Lain Kampung	12	0	0	12
Jumlah Kecil/Sub -Total	15	150	0	165
Jumlah Besar/Grand Total	17,030	11,789	2,712	31,531

JADUAL (TABLE) 2.5

SEMENANJUNG MALAYSIA / PENINSULAR MALAYSIA
BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN DAN BILANGAN
NELAYAN YANG BEKERJA DI VESEL-VESEL BERLESEN, 1977- 2000
NUMBER OF FISHING VESSELS AND NUMBER OF FISHERMEN
OPERATING LICENCED VESSELS, 1977- 2000

Bilangan Vessel Menangkap Ikan Yang dilesenkan <i>Number of fishing Vessels Licenced</i>					Bilangan Nelayan <i>Number of Fishermen</i>				
Tahun <i>Year</i>	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera <i>Non - Powered</i>	Jumlah <i>Total</i>	Melayu <i>Malays</i>	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
1977	16,977	2,775	4,329	24,081	44,373	30,131	541	600	75,645
1978	17,775	3,684	6,038	27,497	51,265	30,980	637	812	83,694
1979	17,741	5,156	6,256	29,153	50,816	30,323	528	1,259	82,926
1980	18,433	6,585	5,502	30,520	55,008	31,802	410	1,752	88,972
1981	18,585	7,368	4,437	30,390	54,538	30,084	609	1,694	86,925
1982	17,575	7,246	2,620	27,441	49,232	28,306	739	1,960	80,237
1983	16,285	7,202	2,208	25,695	47,322	25,238	534	2,496	75,590
1984	16,533	7,458	1,682	25,673	48,616	25,077	564	2,111	76,368
1985	15,324	6,751	1,296	23,371	42,620	23,532	471	2,907	69,530
1986	14,626	6,864	986	22,476	34,269	21,357	448	3,378	59,452
1987	14,822	6,430	886	22,138	33,815	21,634	394	4,726	60,569
1988	14,760	5,832	749	21,341	32,386	21,367	409	4,121	58,283
1989	15,507	7,146	806	23,459	35,907	22,443	454	3,776	62,580
1990	15,326	7,029	779	23,134	34,719	21,364	471	3,247	59,801
1991	15,331	6,760	718	22,809	35,609	21,385	448	3,867	61,309
1992	14,999	6,223	632	21,854	35,279	21,094	440	3,597	60,410
1993	14,351	5,206	463	20,020	28,607	18,466	245	6,569	53,887
1994	13,677	4,988	424	19,089	27,499	17,984	249	6,463	52,195
1995	13,443	9,050	491	22,984	30,440	17,976	239	6,347	55,002
1996	12,701	8,112	437	21,250	28,418	17,010	206	6,676	52,310
1997	12,097	7,875	393	20,365	27,457	17,133	236	5,909	50,735
1998	12,411	7,230	330	19,971	25,538	16,820	239	7,441	50,038
1999	12,646	6,489	208	19,343	25,152	17,207	2,296	6,286	50,941
2000	12,140	6,240	184	18,564	25,532	16,196	231	9,340	51,299

JADUAL (Table) 3.1

MALAYSIA
BILANGAN PERKAKAS YANG DILESENKAN MENGIKUT NEGERI, 2000
NUMBER OF LICENCED FISHING GEARS BY STATE, 2000

Kumpulan Perkakas Gear Group	Pukat Tunda Trawl Nets	Pukat-Pukat Tarik / Seine Nets			Pukat Hanyut Drift/ Gill Nets	Pukat Tangguk Lift Nets	Perangkap-Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push Scoop Nets	Menungut Siput Shellfish Collection	Rampalan Miscell - aneous	Jumlah Total
		Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain-Lain Other Seines			Belet Belet Stationary	Bubu Portable							
Pantai Barat/West Coast:															
Perlis	225	122	0	0	227	3	0	3	7	0	0	0	0	0	587
Kedah	488	24	55	3	722	19	20	1	9	0	0	0	0	0	1,341
Pulau Pinang/Penang	95	23	0	64	945	0	0	4	39	34	0	4	0	33	1,241
Perak	1,413	63	10	318	1,661	0	0	24	65	87	0	0	109	93	3,843
Selangor	756	14	0	2	1,161	0	0	19	81	157	15	0	9	23	2,237
Negeri Sembilan	0	0	0	1	168	0	0	6	10	0	0	0	0	0	185
Malaka/Malacca	0	0	0	2	632	0	3	0	37	0	0	0	0	0	674
Johor Barat/West Johor	206	0	0	6	2,271	0	38	62	35	43	1	0	17	40	2,719
Jumlah Kecil/Sub -Total	3,183	246	65	396	7,787	22	61	119	283	321	16	4	135	189	12,827
Pantai Timur/East Coast															
Kelantan	89	103	0	0	647	23	0	10	119	0	0	0	0	24	1,015
Terengganu	213	311	19	6	526	35	0	120	801	0	0	0	0	23	2,054
Pahang	341	48	14	1	329	11	0	100	190	0	0	0	0	5	1,039
Johor Timur/East Johor	279	59	0	0	858	0	19	21	125	0	0	0	0	0	1,361
Jumlah Kecil/Sub -Total	922	521	33	7	2,360	69	19	251	1,235	0	0	0	0	52	5,469
Sarawak	628	22	0	0	1,432	0	5	13	140	219	68	22	0	0	2,549
Sabah	1,335	191	0	12	1,176	171	84	80	461	0	4	0	0	198	3,712
W.Persatuan Labuan/ Labuan F. Territory	4	8	0	0	22	0	2	7	61	0	53	8	0	0	165
Jumlah Kecil/Sub -Total	1,967	221	0	12	2,630	171	91	100	662	219	125	30	0	198	6,426
Jumlah Besar Grand Total	6,072	988	98	415	12,777	262	171	470	2,180	540	141	34	135	439	24,722

JADUAL(TABLE) 3.2

SEMANANJUNG MALAYSIA /PENINSULAR MALAYSIA
ANGGARAN BILANGAN KUMULATIF PERKAKAS YANG DIUSAHAKAN MENGIKUT NEGERI , 2000
ESTIMATED CUMULATIVE NUMBER OF FISHING GEARS IN OPERATION BY STATE, 2000

Kumpulan Perkakas <i>Gear Group</i>	Pukat Tunda	Pukat-Pukat Tarik <i>Seine Nets</i>			Pukat Hanyut	Pukat Tangguk	Perangkap-Perangkap <i>Traps</i>		Pancing	Pukat Bakul	Pukat Rentang	Pukat Surung	Memungut Siput	Rampaian	Jumlah Total
		Pukat Jerut Ikan	Pukat Jerut Bilis	Lain-Lain			Belat-Belat	Bubu							
Negeri State	Trawl Net	Purse Seine- Fish	Purse Seine- Anchovy	Other Seine	Drift/Gill Net	Lift Net	Stationary	Portable	Hook and Line	Bag Net	Barrier Net	Push/ Scoop Net	Shellfish Collection	Miscell- aneous	
Pantai Barat/West Coast:															
Perlis	2,939	1,045	0	0	6,986	0	0	0	0	0	0	301	0	521	11,792
Kedah	10,015	128	560	761	24,986	0	123	187	207	1,203	427	933	39	1,213	40,782
Pulau Pinang	1,112	164	0	1,160	20,113	0	0	235	1,279	568	893	83	12	178	25,797
Perak	16,530	611	113	4,006	20,012	0	0	128	2,673	1,821	662	4,760	316	3,226	54,858
Selangor	11,430	163	0	294	27,132	0	141	1,671	4,667	2,332	591	1,903	579	186	51,089
Negeri Sembilan	0	0	0	19	1,961	0	0	71	168	0	0	0	0	0	2,219
Melaka	0	0	0	0	9,072	0	0	12	763	0	0	1,369	86	0	11,302
Johor Barat/West Johor:	2,505	0	0	0	26,107	0	547	1,571	139	325	301	2,389	0	1,018	34,902
Jumlah/Total	44,531	2,111	673	6,240	136,369	0	811	3,875	9,896	6,249	2,874	11,738	1,032	6,342	232,741
Pantai Timuri/East Coast:															
Kelantan	1,833	657	68	0	3,661	368	603	168	1,621	0	0	0	0	610	9,589
Terengganu	2,970	2,232	286	0	3,121	239	0	3,010	11,237	0	0	0	0	0	23,095
Pahang	5,030	386	58	0	4,721	30	0	968	1,113	0	0	0	0	0	12,306
Johor Timuri/East Johor:	3,758	434	0	0	3,823	0	0	303	1,232	597	0	0	0	760	10,907
Jumlah Kecil/Sub - Total	13,591	3,709	412	0	15,326	637	603	4,449	15,203	597	0	0	0	1,370	55,897
Jumlah Besar/Grand Total	58,122	5,820	1,085	6,240	151,695	637	1,414	8,324	25,099	6,846	2,874	11,738	1,032	7,712	288,638

MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERKAKAS , 2000

JADUAL (TABLE) 4.1

LANDINGS OF MARINE FISH BY STATE AND GEAR GROUP , 2000

(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

Kumpulan Perkakas Gear Group	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Net		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap-Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampalan Miscel- laneous	Jumlah (Tan Metrik) Total (Tonnes)
		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bills Purse Seine Anchovy				Belat- Belat Stationary	Bubu Portable							
Pantai Barat /West Coast															
Perlis	27,277	25,212	0	0	4,356	0	0	0	0	0	0	258	0	65	57,168
Kedah	44,020	7,563	8,929	197	11,334	0	37	62	295	710	215	911	2,369	93	76,735
Pulau Pinang	18,250	1,682	0	3,065	10,196	0	0	97	377	1,008	105	48	901	166	35,895
Perak	142,277	6,590	1,906	24,648	24,713	0	0	76	955	3,018	307	9,121	1,232	429	215,272
Selangor	99,888	3,341	0	195	14,252	0	332	222	2,566	12,432	1,322	694	605	15	135,864
Negeri Sembilan	0	0	0	4	266	0	0	20	36	0	0	0	0	0	326
Melaka	0	0	0	0	1,553	0	0	1	156	0	0	122	26	0	1,858
Johor Barat/West Johor	4,406	0	0	0	5,427	0	708	214	87	902	63	94	0	99	12,000
Jumlah/Total	336,118	44,388	10,835	28,109	72,097	0	1,077	692	4,472	18,070	2,012	11,248	5,133	867	535,118
Pantai Timur /East Coast															
Kelantan	10,422	37,387	692	0	2,934	6,142	80	229	2,998	0	0	0	0	33	60,917
Terengganu	15,281	78,810	2,992	0	3,772	1,585	0	7,232	10,943	0	0	0	0	0	120,615
Pahang	101,416	32,415	1,546	0	5,180	223	0	2,422	2,626	0	0	0	0	0	145,828
Johor Timur/East Johor	60,767	6,918	0	0	840	0	0	202	1,899	762	0	0	0	27	71,415
Jumlah/Total	187,886	155,530	5,230	0	12,726	7,950	80	10,085	18,466	762	0	0	0	60	398,775
Malaysia															
Semenanjung Malaysia/ Peninsular Malaysia	524,004	199,918	16,065	28,109	84,823	7,950	✓ 1,157	✓ 10,777	22,938	18,832	2,012	✓ 11,248	5,133	927	933,893
Sarawak	93,297	3,739	0	0	26,073	0	1,077	317	3,022	5,703	821	144	0	739	134,932
Sabah	88,236	49,456	0	1,083	17,430	11,649	1,362	1,321	26,684	0	1	0	253	5,382	202,857
Wilayah Persekutuan Labuan/ Labuan, Federal Territory	4,842	7,265	0	14	528	122	18	28	1,193	0	0	0	4	0	14,014
Jumlah Tan M./Total Tonnes	710,379	260,378	16,065	29,206	128,854	19,721	3,614	12,443	53,837	24,535	2,834	11,392	5,390	7,048	1,285,696

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 2000
LANDINGS OF MARINE FISH BY MONTH AND STATE, 2000
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.2

Bulan/Month													Jumlah
Negeri/State	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	(Tan Metrik)
	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>	<i>Total</i>
													<i>(Tonnes)</i>
Pantai Barat/West Coast													
Perlis	3,878	4,168	5,442	5,449	3,979	5,238	5,619	5,668	6,207	4,372	3,713	3,435	57,168
Kedah	5,969	7,221	7,175	6,646	5,331	5,498	5,363	7,557	6,708	6,047	6,430	6,790	76,735
Pulau Pinang	2,341	3,454	3,056	2,790	2,844	2,580	2,610	2,705	3,534	3,669	3,193	3,119	35,895
Perak	14,976	14,841	18,512	18,651	17,956	18,404	17,506	18,787	17,507	18,678	21,483	17,971	215,272
Selangor	9,584	6,210	9,156	9,335	9,349	9,391	10,273	13,173	26,703	12,023	10,404	10,263	135,864
Negeri Sembilan	30	28	33	28	24	23	23	19	25	34	30	29	326
Melaka	138	139	138	149	153	169	162	164	163	167	168	148	1,858
Johor Barat/West Johor	771	707	833	1,040	1,240	978	1,037	1,104	1,059	1,030	1,150	1,051	12,000
Jumlah Kecil/Sub-Total	37,687	36,768	44,345	44,088	40,876	42,281	42,593	49,177	61,906	46,020	46,571	42,806	535,118
Pantai Timur/East Coast													
Kelantan	1,107	2,779	3,576	4,779	3,775	3,759	4,844	6,631	8,148	9,921	8,792	2,806	60,917
Terengganu	4,647	7,393	8,526	11,032	8,391	9,795	12,081	13,090	16,318	17,322	8,282	3,738	120,615
Pahang	7,672	7,658	8,926	13,426	15,093	14,309	13,130	14,879	14,247	16,681	11,656	8,151	145,828
Johor Timur/East Johor	3,178	3,655	4,858	5,678	6,167	7,728	7,736	6,872	7,857	7,287	5,501	4,898	71,415
Jumlah Kecil/Sub-Total	16,604	21,485	25,886	34,915	33,426	35,591	37,791	41,472	46,570	51,211	34,231	19,593	398,775
Malaysia:													
Semenanjung Malaysia/	54,291	58,253	70,231	79,003	74,302	77,872	80,384	90,649	108,476	97,231	80,802	62,399	933,893
Peninsular Malaysia													
Sarawak	6,620	8,035	12,517	13,005	13,348	12,259	13,463	12,081	11,561	10,902	11,392	9,749	134,932
Sabah	15,472	17,422	14,711	15,392	16,739	17,135	18,512	18,136	17,281	18,457	17,184	16,416	202,857
Wilayah Persekutuan Labuan/	1,379	1,095	1,205	1,085	1,257	1,031	1,134	1,251	1,081	1,194	1,162	1,140	14,014
Labuan Federal Territory													
Jumlah Besar(Tan Metrik)	77,762	84,805	98,664	108,485	105,646	108,297	113,493	122,117	138,399	127,784	110,540	89,704	1,285,696
Grand Total (Tonnes)													

SEMENANJUNG MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT PERKAKAS DAN BULAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND MONTH, 2000
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.3

Bulan/Month	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik) Total (Tonnes)
Kumpulan Perkakas Gear Group	January	February	March	April	May	June	July	August	September	October	November	December	
Pukat-Pukat Tunda Trawl Net	36,877	32,775	41,521	45,820	43,905	46,066	44,330	48,207	57,429	47,921	39,219	39,934	524,004
Pukat-Pukat Tarik/Seine Net:													
Pukat-Pukat Jerut Ikan Purse Seine - Fish	4,523	10,283	13,398	16,535	15,151	15,823	18,128	21,473	28,397	30,029	19,766	6,412	199,918
Pukat Jerut Bills Purse Seine - Anchovy	831	1,381	1,553	1,533	1,351	1,308	1,432	1,701	1,687	1,241	953	1,094	16,065
Lain-Lain Pukat Other Seine	1,851	3,282	2,338	2,450	2,132	2,045	2,164	1,561	1,550	1,671	5,086	1,999	28,109
Pukat-Pukat Hanyut Drift/Gill Net	5,517	5,353	5,715	6,022	5,580	5,877	6,896	8,264	10,687	8,494	8,662	7,756	84,823
Pukat-Pukat Tangguk Lift Net	16	93	296	736	466	559	749	1,243	1,473	1,172	1,114	33	7,950
Perangkap-Perangkap/Trap:													
Belat-Belat Stationary	70	66	64	97	88	93	97	119	117	121	134	91	1,157
Bubu Portable	336	562	591	855	941	898	1,553	907	1,054	1,170	1,026	884	10,777
Pancing Hook & Line	1,183	1,684	1,769	1,758	1,875	1,951	1,876	2,421	2,528	2,482	1,941	1,470	22,938
Pukat-Pukat Bakul Bag Net	1,592	1,476	1,480	1,127	1,075	1,711	1,687	2,917	1,562	1,471	1,371	1,363	18,832
Pukat-Pukat Rentang Barrier Net	199	100	92	122	124	143	122	153	214	270	222	251	2,012
Pukat-Pukat Surung Push/Scoop Net	753	787	807	861	937	1,137	1,111	1,182	1,123	935	891	724	11,248
Memungut Siput Shellfish Collection	464	351	537	1,013	602	181	136	420	577	183	346	323	5,133
Rampaian Miscellaneous	79	80	70	74	75	80	103	81	78	71	71	65	927
Jumlah Besar (Tan Metrik) Grand Total (Tonnes)	54,291	58,253	70,231	79,003	74,302	77,872	80,384	90,649	108,476	97,231	80,802	62,399	933,893

JADUAL (TABLE) 4.4

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY STATE AND SPECIES, 2000
(Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

ISCAAP GROUP NO.	Spesis Species	Pantai Barat/West Coast								Jumlah Total	Pantai Timur/East Coast				Jumlah Total	Sarawak	Sabah	W.P.Labuan/ Labuan Federal Territory	Jumlah Total	Jumlah Besar (Tan Metrik) Grand Total (Tonnes)
	Nama Tempatan/ Local Name	Perlis	Kedah	P.Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat West Johor		Kelantan	Terengganu	Pahang	Johor Timur East Johor						
24	Kebasi/Selangat	35	520	512	1,433	124	21	0	210	2,855	0	0	0	0	0	350	799	12	1,161	4,016
	Puput/B. Mata/Tirok	50	137	164	4,951	1,761	6	0	194	7,263	149	0	24	3	176	2,573	2,666	27	5,266	12,705
	Terubok	0	0	0	2	11	0	0	0	13	0	0	0	0	0	652	0	0	652	665
25	Siakap	1	1	3	19	111	6	0	104	245	6	6	11	0	23	3	1,430	0	1,433	1,701
31	Lidah	590	197	48	542	743	0	0	213	2,333	30	77	132	68	307	206	219	11	436	3,076
	Sebelah	4	101	40	115	82	0	0	18	360	14	77	102	149	342	292	570	77	939	1,641
33	Bayan	0	0	0	0	0	0	0	0	0	0	74	28	30	132	0	2,007	0	2,007	2,139
	Biji Nangka	19	2	67	4,850	83	0	0	45	5,066	583	815	457	178	2,033	3,218	475	53	3,746	10,845
	Daun Baharu	0	0	0	24	17	12	26	29	108	8	14	36	62	120	208	202	40	450	678
	Delah/Pinang-Pinang	0	0	0	3	16	0	0	0	19	0	281	17	10	308	121	405	127	653	980
	Duri/Pulutan/Utik	40	468	1,104	2,127	1,051	7	260	485	5,542	176	1,683	542	609	3,010	3,082	3,111	60	6,253	14,805
	Dengkis /Debam	0	0	0	61	48	0	0	16	125	33	319	73	81	506	0	707	55	762	1,393
	Gelama/Tengkerong/Selampai	805	1,187	1,013	5,963	3,231	17	198	647	13,061	404	525	844	1,035	2,808	4,610	2,884	76	7,570	23,439
	Gerut-Gerut	8	132	17	262	159	3	23	59	663	12	25	16	30	83	138	569	47	754	1,500
	Jenahak	8	68	49	206	216	17	19	50	633	0	2	4	31	37	335	2,771	74	3,180	3,850
	Kaci	0	0	0	27	10	2	0	7	46	25	427	170	343	965	289	86	121	496	1,507
	Kerapu	227	458	79	596	124	7	22	57	1,570	58	1,722	613	372	2,765	1,377	6,241	221	7,839	12,174
	Kerisi	2,435	906	181	5,421	170	0	0	0	9,113	918	5,816	4,780	2,040	13,554	2,357	7,297	189	9,843	32,510
	Kerisi Bali	0	6	0	122	19	0	0	0	147	44	743	1,581	42	2,410	574	1,847	251	2,672	5,229
	Kikek	96	24	0	41	0	0	0	53	214	191	699	110	30	1,030	322	848	47	1,217	2,461
	Malong	119	145	24	66	1,804	2	62	263	2,485	1	36	91	32	160	1,376	1,391	6	2,773	5,418
	Merah	5	56	4	63	95	2	0	20	245	132	907	560	341	1,940	1,459	3,671	274	5,404	7,589
	Mengkerong/Conor/Ubi-Ubi	2,114	59	35	7,257	27	0	0	27	9,519	525	194	2,508	477	3,704	0	4,339	5	4,344	17,567
	Remong/Kunyit-Kunyit/Tanda	5	58	2	150	24	0	0	0	239	231	1,176	691	381	2,479	0	1,421	131	1,552	4,270
	Semilang	34	57	384	733	159	3	0	108	1,478	0	4	21	0	25	14	705	0	719	2,222
	Shrumbu/Lemah	0	0	18	0	0	0	0	0	18	0	0	0	0	0	356	32	16	404	422
	Puntong Damar/Bulus	23	84	2	620	127	0	0	0	856	203	73	253	139	668	0	287	1	288	1,812
	Pasir-Pasir/Timun-Timun	0	0	0	19	67	0	0	0	86	47	738	439	344	1,568	0	32	15	47	1,701
34	Alu-Alu/Kacang-Kacang	17	225	22	358	110	3	22	29	786	100	271	557	414	1,342	213	5,031	75	5,319	7,447
	Anuan Tasik	1	45	0	53	36	1	0	2	138	40	198	193	71	502	0	0	0	0	640
	Bawal	17	968	427	1,028	1,563	14	41	747	4,805	112	450	435	232	1,229	1,410	978	116	2,504	8,538
	Belanak/Kedera	5	425	135	488	2,848	4	53	74	4,032	104	0	15	0	119	27	1,161	10	1,198	5,349
	Cermin/Sagai/Cupak	28	80	1	236	79	14	0	34	472	127	890	567	433	2,017	305	1,582	390	2,277	4,766

Samb. Jadual 4.4/
(Cont' d Table 4.4)

	Cincaru	788	467	237	1,197	712	1	29	161	3,592	606	2,145	1,278	1,228	5,257	1,952	6,448	83	8,483	17,332
	Demuduk/Rambai	199	133	0	163	1	0	0	0	496	108	332	191	287	918	575	5,825	53	6,453	7,867
	Kurau/Senangin/Senohong	16	47	109	806	628	18	62	225	1,911	17	0	72	14	103	402	1,888	11	2,301	4,315
	Pelata/Selar	1,744	1,041	113	1,750	535	0	0	39	5,222	1,621	6,664	5,394	1,960	15,639	1,043	4,898	179	6,120	26,981
	Selar Kuning/Lolong	1,444	782	57	1,108	46	0	0	5	3,442	2,612	16,803	14,999	3,680	38,094	1,164	1,438	115	2,717	44,253
	Selayang/Curut	3,827	233	203	828	26	0	0	0	5,117	23,144	31,141	7,030	2,113	63,428	601	14,859	198	15,658	84,203
	Pisang-Pisang	209	228	0	9	0	0	0	0	446	0	40	11	0	51	0	67	1	68	565
	Talang	1	132	31	155	65	11	25	141	561	0	25	84	92	201	344	2,358	18	2,720	3,482
35	Bilis/Bunga Air	0	8,809	4	1,872	467	0	0	32	11,184	4,721	2,421	988	49	8,179	133	3,013	7	3,153	22,516
	Parang-Parang	42	163	20	429	730	9	175	413	1,981	102	218	592	414	1,326	429	434	14	877	4,184
	Tampan	824	1,380	376	735	76	0	0	54	3,445	1,221	5,382	6,794	1,615	15,012	2,513	12,500	143	15,156	33,613
	Bulan-Bulan	0	0	0	17	14	0	0	0	31	0	0	1	0	1	0	101	0	101	133
36	Aya/Kayu/Tongkol	5,877	2,073	18	2,027	244	0	0	0	10,239	10,926	14,196	2,504	1,594	29,220	2,660	10,826	6,392	19,878	59,337
	Layaran/Mersuji	0	0	0	5	0	0	0	0	5	0	6	8	2	16	0	136	9	145	166
37	Kembong/Temenong/Pelating	10,946	13,767	6,993	17,278	16,749	0	0	0	65,733	1,033	6,830	6,483	1,204	15,550	3,552	12,632	588	16,772	98,055
	Tenggiri	118	447	68	889	3,153	20	201	363	5,259	351	1,423	1,000	624	3,398	2,816	4,288	167	7,271	15,928
	Timah/Layor/Selayor	175	222	131	371	1,058	0	60	269	2,286	317	626	334	193	1,470	2,148	5,663	7	7,818	11,574
38	Pari	166	586	314	3,129	1,180	14	134	228	5,751	309	961	2,117	2,212	5,599	2,840	2,301	82	5,223	16,573
	Yu	7	100	13	705	443	3	66	94	1,431	43	355	984	648	2,030	2,603	1,797	87	4,487	7,948
39	Ikan Baja	17,391	21,303	15,738	82,675	58,858	0	0	2,776	198,741	5,495	3,465	54,323	32,801	96,084	29,522	22,127	1,729	53,378	348,203
	Ikan Campur	2,058	3,049	430	3,474	2,635	40	135	729	12,550	1,861	2,664	10,521	1,657	16,703	29,264	5,451	828	35,543	64,796
	Jebong	0	0	30	83	2	0	0	13	128	4	335	333	218	890	0	358	52	410	1,428
42	Ketam	268	1,214	536	1,914	1,185	8	0	378	5,483	61	336	815	510	1,722	818	4,585	31	5,434	12,639
45	Udang Karang/Lobok	0	0	0	37	1	0	0	0	38	16	54	223	246	539	79	387	60	526	1,103
	Udang Putih	123	1,103	781	1,653	1,272	36	51	368	5,387	50	133	211	137	531	6,342	4,938	98	11,378	17,296
	Udang Minyak	6	1	224	5,061	2,702	0	0	43	8,037	12	101	191	217	521	109	583	0	692	9,250
	Udang Merah Ros	159	754	0	0	10	0	0	0	923	1	0	0	0	1	0	676	0	676	1,600
	Udang Kulit Keras	0	0	376	1,300	1,104	0	0	108	2,888	127	95	36	12	270	1,148	507	0	1,655	4,813
	Udang Harimau	59	78	3	144	84	0	0	22	390	7	43	1	111	162	37	507	65	609	1,161
	Lain-lain Jenis Udang	885	5,175	2,058	19,592	5,469	25	75	1,014	34,293	172	821	1,323	1,566	3,882	9,342	3,671	220	13,233	51,408
	Udang Baring	216	503	390	3,180	4,805	0	94	584	9,772	0	0	0	169	169	236	260	11	507	10,448
56	Siput/Kepah/Kupang/Tiram	0	2,369	901	1,240	605	0	25	0	5,140	34	0	0	0	34	0	1,057	0	1,057	6,231
57	Sotong Kereta	40	406	1	136	191	0	0	0	774	31	0	177	212	420	6	351	0	357	1,551
	Sotong Katak	644	942	269	7,663	3,974	0	0	22	13,514	331	1,913	3,867	3,211	9,322	641	2,732	105	3,478	26,314
	Sotong Biasa	2,250	2,819	1,140	15,659	6,171	0	0	168	28,207	1,311	2,845	7,073	4,442	15,671	3,055	7,272	134	10,461	54,339
76	Ubur-Ubur	0	0	0	152	5,774	0	0	260	6,186	0	0	0	0	0	2,691	159	0	2,850	9,036
	Jumlah Tan Mi/Total Tonnes	57,168	76,735	35,895	215,272	135,864	326	1,858	12,000	535,118	60,917	120,615	145,828	71,415	398,775	134,932	202,857	14,014	351,803	1,285,696

JADUAL (TABLE) 4.5

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2000
(Kuantiti dalam Tan Metrik/ Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Januari	Febuari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	Total (Tonnes)
24	Kebasi Selangut	225	301	295	401	393	343	471	400	308	278	276	325	4,016
	Puput/B. Mata/Tirok	801	887	914	1,195	1,237	872	930	1,246	1,113	1,147	1,328	1,035	12,705
	Terubok	3	11	72	68	55	75	74	101	63	57	71	15	665
25	Siakap	157	156	161	139	138	131	151	145	134	143	133	113	1,701
31	Lidah	266	272	243	237	207	233	238	237	337	228	242	336	3,076
33	Sebelah	129	111	123	140	146	127	150	157	139	132	163	124	1,641
	Bayan	100	119	171	188	175	218	170	180	230	245	132	211	2,139
	Biji Nangka	655	476	616	791	850	964	1,288	1,208	1,049	1,152	942	854	10,845
	Daun Baharu	58	46	50	87	51	64	60	55	51	50	58	48	678
	Delah/Pinang-Pinang	83	43	64	117	109	73	56	87	102	65	47	134	980
	Duri/Pulutan/Utik	839	1,096	1,283	1,193	1,275	1,466	1,422	1,310	1,561	1,284	1,150	926	14,805
	Dengkis/Debam	124	88	93	96	103	106	156	134	122	138	122	111	1,393
	Gelama/Tengkerong/Selampai	1,357	1,444	1,938	1,963	2,225	1,962	2,056	2,143	2,545	2,061	1,932	1,813	23,439
	Gerut-Gerut	94	113	135	124	120	139	161	138	124	117	112	123	1,500
	Jenahak	225	193	249	388	382	397	376	390	294	365	308	283	3,850
	Kaci	67	68	97	123	159	139	178	172	164	147	102	91	1,507
	Kerapu	800	922	908	969	1,076	1,196	1,339	1,233	1,014	920	992	805	12,174
	Kerisi	1,787	1,980	2,285	2,854	3,183	2,933	3,209	2,585	2,923	3,314	2,970	2,487	32,510
	Kerisi Bali	354	299	480	517	520	554	497	458	359	394	455	342	5,229
	Kikek	155	174	272	181	242	198	237	304	185	166	154	193	2,461
	Malong	512	391	360	347	347	451	446	421	666	434	522	521	5,418
	Merah	479	503	615	732	717	658	715	635	615	708	654	558	7,589
	Mengkerong/conor/Ubi-Ubi	1,407	1,148	1,499	1,369	1,282	1,503	1,597	1,554	1,557	1,712	1,641	1,298	17,567
	Remong/Kunyit-Kunyit/Tanda	220	297	311	347	396	340	422	405	359	450	387	336	4,270
	Semilang	158	186	188	212	174	178	229	188	187	163	179	180	2,222
	Shrumbu/Lemah	13	16	25	33	53	38	43	46	40	33	50	32	422
	Puntung Damar/Bulus	174	187	237	142	108	96	122	142	149	153	144	158	1,812
	Pasir-Pasir/Timun-Timun	47	114	146	151	145	190	211	148	152	176	110	111	1,701
	Alu-Alu/Kacang-Kacang	425	477	528	680	793	696	771	710	633	616	602	516	7,447
34	Aruah Tasik	30	44	54	74	80	48	45	43	55	77	50	40	640
	Bawal	510	571	771	880	831	656	826	723	745	659	712	654	8,538
	Belanak/Kedera	269	514	455	382	239	308	652	400	469	611	787	263	5,349
	Cermin/Sagai/Cupak	339	314	383	438	466	396	441	408	358	455	434	334	4,766

Samb.Dari Jadual 4.5
(Cont'd From Table 4.5)

	Cincaru	1,112	1,030	1,239	1,683	1,337	1,306	2,032	1,779	1,814	1,369	1,436	1,195	17,332
	Demuduk/Rambai	553	619	637	756	767	752	795	735	619	544	556	534	7,867
	Kurau/Senangin/Senohong	271	327	352	373	356	327	418	367	393	356	405	370	4,315
	Pelata/Selar	1,137	1,371	1,442	2,215	1,656	1,505	2,309	4,083	3,458	3,174	2,858	1,773	26,981
	Selar Kuning/Lolong	1,444	2,752	3,255	4,161	5,122	4,717	3,860	4,412	4,931	5,104	3,193	1,302	44,253
	Selayang/Curut	2,368	4,156	4,305	5,199	4,192	4,744	7,066	9,973	13,820	15,413	9,884	3,083	84,203
	Pisang-Pisang	14	11	7	69	54	174	28	75	61	22	29	21	565
	Talang	160	197	215	255	320	342	363	309	334	343	330	314	3,482
	Blis/Bunga Air	1,016	1,531	1,632	1,723	1,715	1,712	2,042	2,782	2,983	2,139	1,836	1,405	22,516
	Parang-Parang	257	311	374	413	396	349	392	379	374	348	316	275	4,184
	Tamban	1,391	2,270	2,208	3,143	3,805	3,893	3,292	2,880	2,543	3,670	2,698	1,820	33,613
35	Bulan-Bulan	26	10	7	15	9	6	19	8	6	14	5	8	133
	Aya/Kayu/Tongkol	2,636	3,272	4,736	5,488	3,861	4,989	5,836	5,814	7,093	7,353	4,743	3,516	59,337
	Layaran/Mersuji	8	6	24	16	19	11	15	12	16	11	11	17	166
	Kembong/Temenong/Pelaling	5,151	5,057	5,662	6,018	5,097	6,378	7,071	8,636	19,625	12,150	9,857	7,353	98,055
36	Tenggiri	945	1,222	1,302	1,353	1,239	1,132	1,217	1,199	2,466	1,391	1,335	1,127	15,928
	Timah/layar/Selayor	565	670	978	1,042	1,029	1,105	1,201	1,177	1,537	879	750	641	11,574
37	Pari	1,145	1,133	1,607	1,764	1,363	1,444	1,499	1,430	1,340	1,532	1,242	1,074	16,573
	Yu	491	478	573	646	812	715	813	776	686	680	654	624	7,948
	Ikan Baja	24,643	23,353	27,234	29,689	30,963	31,480	31,473	32,289	32,069	29,801	27,477	27,732	348,203
38	Ikan Campur	3,302	4,231	5,654	5,904	6,660	5,724	5,733	5,712	5,940	5,863	5,508	4,565	64,796
	Jebong	93	112	106	123	113	121	133	134	118	140	127	108	1,428
39	Ketam	937	910	1,100	988	1,012	1,051	1,233	1,307	1,097	974	954	1,076	12,639
	Udang Karang/Lobok	72	72	79	97	96	77	96	101	86	100	113	114	1,103
	Udang Putih	1,474	1,397	1,367	1,435	1,307	1,451	1,414	1,465	1,462	1,467	1,417	1,640	17,296
42	Udang Minyak	1,017	736	843	827	861	704	638	657	734	858	615	760	9,250
45	Udang Merah Ros	81	111	155	191	107	120	135	155	155	157	106	127	1,600
	Udang Kulit Keras	485	407	440	367	346	337	338	363	393	427	418	492	4,813
	Udang Harimau	116	78	84	97	126	106	91	88	88	94	86	107	1,161
	Lain-lain Jenis Udang	5,495	5,150	5,032	3,595	3,291	3,439	3,321	3,846	4,051	4,096	5,956	4,136	51,408
	Udang Baring	1,164	1,342	1,248	761	480	961	858	1,068	650	662	695	559	10,448
	Siput/Kepah/Kupang/Tiram	553	466	608	1,106	689	278	234	520	674	261	430	412	6,231
	Sotong Kereta	149	97	123	132	128	135	115	127	138	177	119	111	1,551
	Sotong Katak	1,703	1,927	2,044	2,382	2,283	2,743	2,540	2,504	2,193	2,328	1,928	1,739	26,314
56	Sotong Biasa	2,754	4,020	5,581	6,471	5,371	5,354	4,363	4,467	4,666	4,398	3,606	3,288	54,339
57	Ubur-Ubur	172	412	390	430	387	867	771	1,982	984	839	886	916	9,036
	Jumlah Tan.M./Total Tonnes	77,762	84,805	98,664	108,485	105,646	108,297	113,493	122,117	138,399	127,784	110,540	89,704	1,285,896

JADUAL (TABLE) 4.5.1

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2000
(Kuantiti dalam Tan Metrik/ Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Januari	Febuari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	Total (Tonnes)
24	Kebasi Selangat	144	216	219	300	310	240	344	291	212	177	174	228	2,855
	Puput/B.Mata/Tirok	640	545	580	802	811	434	461	699	610	520	748	589	7,439
	Terubok	1	1	3	0	0	1	0	1	2	0	2	2	13
25	Siakap	14	18	20	18	25	26	17	36	27	33	18	16	268
31	Lidah	237	238	214	210	176	193	199	179	299	189	209	297	2,640
33	Sebelah	56	49	53	61	57	59	69	65	59	50	72	52	702
	Bayan	2	3	6	13	11	15	16	16	19	14	9	8	132
	Biji Nangka	454	309	397	535	467	572	722	756	741	812	663	671	7,099
	Daun Baharu	25	12	21	15	17	23	17	19	17	22	22	18	228
	Delah/Pinang-Pinang	18	9	17	38	57	37	30	20	31	35	22	13	327
	Duri/Pulutan/Utik	480	651	782	625	661	827	813	713	1,047	833	622	498	8,552
	Dengkis/Debam	63	36	35	34	45	51	64	61	59	71	63	49	631
	Gelama/Tengkerong/Selampai	1,021	1,080	1,323	1,306	1,375	1,199	1,248	1,441	1,857	1,368	1,334	1,317	15,869
	Gerut-Gerut	42	61	48	44	54	79	66	83	73	60	59	77	746
	Jenahak	47	39	37	53	62	65	66	56	61	58	74	52	670
	Kaci	47	50	65	72	97	91	127	101	103	115	74	69	1,011
	Kerapu	209	299	356	396	359	387	497	474	401	395	295	267	4,335
	Kerisi	1,242	1,286	1,618	2,144	2,249	2,081	2,087	1,724	2,070	2,356	2,096	1,714	22,667
	kerisi Bali	141	153	223	243	280	315	234	249	175	192	170	182	2,557
	Kikek	62	64	179	106	140	95	140	200	69	75	68	46	1,244
	Malong	363	181	119	136	138	220	229	199	403	190	253	214	2,645
	Merah	199	224	219	229	188	164	157	161	167	178	141	158	2,185
	Mengkerong/conor/Ubi-Ubi	1,057	774	1,181	1,034	933	1,103	1,198	1,201	1,238	1,284	1,214	1,006	13,223
	Remong/Kunyit-Kunyit/Tanda	91	181	186	220	274	209	252	255	268	310	261	211	2,718
	Semilang	98	121	124	151	120	127	155	136	121	101	125	124	1,503
	Shrumbu/Lemah	0	0	0	0	18	0	0	0	0	0	0	0	18
	Puntung Damar/Bulus	159	174	219	129	88	76	92	112	120	119	122	114	1,524
	Pasir-Pasir/Timun-Timun	41	110	142	148	139	187	207	143	151	173	107	106	1,654
	Alu-Alu/Kacang-Kacang	154	142	183	221	195	183	179	202	166	199	178	126	2,128
34	Aruan Tasik	30	44	54	74	80	48	45	43	55	77	50	40	640
	Bawal	406	435	521	586	461	402	546	517	557	501	565	537	6,034
	Belanak/Kedera	193	407	326	285	145	209	537	302	349	495	713	190	4,151
	Cermin/Sagai/Cupak	91	164	248	261	261	197	235	207	217	265	197	146	2,489

Samb.Dari Jadual 4.5.1
(Cont'd From Table 4.5.1)

	Cincaru	557	642	875	1,124	647	671	841	811	934	606	680	461	8,849
	Demuduk/Rambai	93	103	165	238	179	100	137	80	109	78	56	76	1,414
	Kurau/Senangin/Senohong	136	167	148	161	158	121	196	167	192	166	208	194	2,014
	Pelata/Selar	651	827	1,111	1,744	1,292	1,222	1,512	3,390	3,001	2,648	2,193	1,270	20,861
	Selar Kuning/Lolong	1,284	2,593	3,080	3,993	4,826	4,379	3,586	4,250	4,738	4,917	2,827	1,063	41,536
	Selayang/Curut	928	2,541	3,397	3,913	2,937	3,458	6,060	8,655	12,525	13,665	8,548	1,918	68,545
	Pisang-Pisang	9	2	2	67	49	169	23	70	57	16	20	13	497
	Talang	30	56	49	59	78	68	79	73	55	71	67	77	762
	Bilis/Bunga Air	881	1,370	1,493	1,536	1,347	1,362	1,734	2,486	2,659	1,790	1,558	1,147	19,363
	Parang-Parang	207	225	300	329	291	287	282	307	312	284	254	229	3,307
	Tamban	369	1,100	1,288	1,741	2,586	2,618	1,980	1,532	1,143	2,305	1,455	340	18,457
35	Bulan-Bulan	18	1	1	5	2	1	1	0	1	1	0	1	32
	Aya/Kayu/Tongkol	1,175	2,087	3,372	4,261	2,626	3,061	3,701	3,777	5,120	5,414	3,025	1,840	39,459
	Layaran/Mersuji	1	1	3	4	1	0	1	1	4	2	1	2	21
	Kembong/Temenong/Pelaling	3,970	3,527	4,582	4,730	3,705	5,178	5,713	7,170	17,981	10,254	8,310	6,163	81,283
36	Tenggiri	527	757	703	652	561	462	567	589	1,861	756	615	607	8,657
	Timah/layor/Selayor	201	184	219	211	193	251	291	340	892	368	345	261	3,756
37	Pari	828	818	1,130	1,238	916	1,015	977	958	913	1,072	778	707	11,350
	Yu	248	234	245	280	279	288	339	412	290	325	256	265	3,461
	Ikan Baja	21,042	19,417	22,931	25,600	26,014	27,102	26,346	27,653	27,501	25,149	22,863	23,207	294,825
38	Ikan Campur	1,820	2,130	2,136	2,517	2,862	2,353	2,343	2,541	2,749	3,037	2,658	2,107	29,253
	Jebong	60	81	76	92	77	87	94	103	80	106	89	73	1,018
39	Ketam	540	531	620	563	526	551	727	747	688	545	510	657	7,205
	Udang Karang/Lobok	44	42	41	57	46	41	52	55	38	52	56	53	577
	Udang Putih	546	460	435	439	412	510	495	499	527	516	443	636	5,918
42	Udang Minyak	971	681	779	757	804	645	581	600	680	804	558	698	8,558
45	Udang Merah Ros	25	63	92	138	59	69	63	104	102	85	59	65	924
	Udang Kulit Keras	332	265	246	218	192	203	231	247	292	313	288	331	3,158
	Udang Harimau	71	37	41	48	73	59	42	33	36	34	30	48	552
	Lain-lain Jenis Udang	3,648	3,159	2,730	2,457	2,575	2,670	2,737	3,044	3,336	3,514	5,130	3,175	38,175
	Udang Baring	1,109	1,205	1,137	674	468	947	844	1,052	625	648	684	548	9,941
	Siput/Kepah/Kupang/Tiram	466	359	541	1,019	603	191	137	419	581	184	348	326	5,174
	Sotong Kereta	122	72	95	98	103	104	86	98	105	146	90	75	1,194
	Sotong Katak	1,455	1,697	1,748	2,090	1,987	2,470	2,200	2,207	1,864	2,027	1,620	1,471	22,836
56	Sotong Biasa	2,009	2,680	4,671	5,320	4,309	4,491	3,627	3,664	3,876	3,583	3,000	2,648	43,878
57	Ubur-Ubur	91	63	31	141	226	753	710	1,853	865	483	460	510	6,186
	Jumlah Tan.MJ/Total Tonnes	54,291	58,253	70,231	79,003	74,302	77,872	80,384	90,649	108,476	97,231	80,802	62,399	933,893

JADUAL (TABLE) 4.5.2

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS IKAN, 2000

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2000

(Kuantiti dalam Tan Metrik/ Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Januari	Febuari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	Total (Tonnes)
24	Kebasi Selangat	144	216	219	300	310	240	344	291	212	177	174	228	2,855
	Puput/B.Mata/Tirok	634	532	557	793	777	425	452	685	590	501	737	580	7,263
	Terubok	1	1	3	0	0	1	0	1	2	0	2	2	13
25	Siakap	11	15	19	16	22	26	14	36	26	30	17	13	245
31	Lidah	202	218	196	192	158	173	172	157	249	158	185	273	2,333
	Sebelah	20	26	23	31	31	32	42	37	30	20	41	27	360
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	352	167	271	277	354	404	551	565	571	568	476	510	5,066
	Daun Baharu	18	8	16	7	6	6	6	7	8	12	7	7	108
	Delah/Pinang-Pinang	15	0	0	0	0	0	0	1	1	0	1	1	19
	Duri/Pulutan/Utik	358	379	552	476	499	516	566	515	414	426	451	390	5,542
	Dengkis/Debam	52	2	4	1	5	3	4	10	3	13	15	13	125
	Gelama/Tengkerong/Selampai	817	945	1,068	1,069	1,165	954	1,044	1,143	1,594	1,047	1,127	1,088	13,061
	Gerut-Gerut	37	57	43	39	47	72	59	65	67	53	53	71	663
	Jenahak	44	36	35	49	57	61	62	53	59	56	71	50	633
	Kaci	1	3	7	1	3	3	4	4	7	5	5	3	46
	Kerapu	123	121	149	146	129	142	123	121	134	123	138	121	1,570
	Kerisi	616	633	815	876	723	793	616	668	975	824	804	770	9,113
	Kerisi Bali	6	9	10	15	3	8	15	38	10	7	7	19	147
	Kikek	7	7	80	22	11	20	9	14	13	11	10	10	214
	Malong	347	166	104	122	126	210	222	178	389	178	242	201	2,485
	Merah	15	15	19	20	20	32	16	22	27	15	15	29	245
	Mengkerong/conor/Ubi-Ubi	765	532	918	695	650	781	891	875	968	876	842	726	9,519
	Remong/Kunyit-Kunyit/Tanda	7	17	16	13	64	27	13	15	17	19	15	16	239
	Semilang	98	120	121	146	115	127	154	134	119	100	121	123	1,478
	Shrumbu/Lemah	0	0	0	0	18	0	0	0	0	0	0	0	18
	Puntung Damar/Bulus	70	62	119	54	54	51	65	71	75	75	83	77	856
	Pasir-Pasir/Timun-Timun	8	8	14	6	13	6	4	5	4	9	5	4	86
34	Alu-Alu/Kacang-Kacang	68	46	77	85	74	68	57	98	60	49	55	49	786
	Aruan Tasik	14	8	10	12	10	7	10	10	18	21	10	8	138
	Bawal	367	339	431	439	335	311	427	428	478	381	391	478	4,805
	Belanak/Kedera	187	405	315	271	133	202	530	295	326	473	709	186	4,032
	Cermin/Sagai/Cupak	8	16	89	39	37	40	35	58	42	42	33	33	472

Samb.Dari Jadual 4.5.2
(Cont'd From Table 4.5.2)

	Cincaru	376	221	378	398	330	225	313	384	397	164	163	243	3,592
	Demuduk/Rambai	46	23	56	112	34	55	27	46	35	21	18	23	496
	Kurau/Senangin/Senohong	125	137	141	151	149	115	190	163	187	162	205	186	1,911
	Pelata/Selar	193	201	383	712	355	322	476	614	659	568	361	378	5,222
	Selar Kuning/Lolong	183	252	253	327	323	272	268	398	364	263	268	271	3,442
	Selayang/Curut	311	560	664	486	315	292	555	420	360	327	389	438	5,117
	Pisang-Pisang	9	0	0	65	48	169	22	33	55	12	20	13	446
	Talang	24	52	43	38	37	58	63	64	48	58	43	33	561
	Bilis/Bunga Air	852	1,271	1,256	1,066	990	647	556	1,050	809	670	885	1,132	11,184
	Parang-Parang	141	147	191	184	180	171	171	186	177	145	147	141	1,981
	Tamban	115	236	388	329	480	285	368	331	292	199	216	206	3,445
35	Bulan-Bulan	18	1	1	5	2	1	1	0	1	1	0	0	31
	Aya/Kayu/Tongkol	380	557	582	761	621	515	939	848	1,334	1,481	1,306	915	10,239
	Layaran/Mersuji	0	1	0	4	0	0	0	0	0	0	0	0	5
	Kembong/Temenong/Pelaling	3,617	2,897	3,838	3,718	2,690	3,679	4,308	5,197	15,488	7,870	7,080	5,351	65,733
36	Tenggiri	331	436	373	325	292	236	287	299	1,568	355	350	407	5,259
	Timah/layor/Selayor	58	51	69	80	77	170	200	183	793	229	230	146	2,286
37	Pari	469	377	557	666	446	467	412	490	495	605	425	342	5,751
	Yu	109	120	74	101	108	106	129	204	124	118	119	119	1,431
	Ikan Baja	14,787	13,836	17,141	16,604	17,211	17,158	16,275	18,756	18,970	15,865	15,736	16,402	198,741
38	Ikan Campur	1,028	950	906	1,027	905	909	1,119	1,136	1,269	1,078	1,091	1,132	12,550
	Jebong	3	8	12	14	10	20	10	12	10	10	11	8	128
39	Ketam	426	442	526	451	393	362	455	595	565	413	358	497	5,483
	Udang Karang/Lobok	2	7	6	6	3	1	4	5	1	1	1	1	38
	Udang Putih	414	391	398	415	387	483	473	477	502	490	400	557	5,387
42	Udang Minyak	834	593	720	737	791	623	561	583	663	767	520	645	8,037
45	Udang Merah Ros	25	63	92	138	59	69	63	104	102	85	59	64	923
	Udang Kulit Keras	230	230	222	209	186	196	227	242	286	306	273	281	2,888
	Udang Harimau	35	23	32	40	67	48	31	22	23	23	20	26	390
	Lain-lain Jenis Udang	2,907	2,812	2,452	2,288	2,428	2,507	2,555	2,830	3,032	3,094	4,805	2,583	34,293
	Udang Baring	1,109	1,154	1,092	674	468	947	844	1,052	625	575	684	548	9,772
	Siput/Kepah/Kupang/Tiram	465	352	539	1,012	602	186	135	418	579	183	346	323	5,140
	Sotong Kereta	115	57	77	55	58	78	41	63	66	67	52	45	774
	Sotong Katak	961	1,160	1,240	1,440	1,153	1,456	1,053	1,229	1,115	1,045	821	841	13,514
56	Sotong Biasa	1,486	1,978	3,312	3,097	2,503	2,959	2,245	2,290	2,559	2,018	1,867	1,893	28,207
57	Ubur-Ubur	91	63	31	141	226	753	710	1,853	865	483	460	510	6,186
	Jumlah Tan.M./Total Tonnes	37,687	36,768	44,345	44,088	40,876	42,281	42,593	49,177	61,906	46,020	46,571	42,806	535,118

JADUAL (TABLE) 4.5.3

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS IKAN, 2000

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2000

(Kuantiti dalam Tan Metrik/ Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Januari	Febuari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	Total (Tonnes)
24	Kebasi Selangat	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puput/B.Mata/Tirok	6	13	23	9	34	9	9	14	20	19	11	9	176
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	3	3	1	2	3	0	3	0	1	3	1	3	23
31	Lidah	35	20	18	18	18	20	27	22	50	31	24	24	307
33	Sebelah	36	23	30	30	26	27	27	28	29	30	31	25	342
	Bayan	2	3	6	13	11	15	16	16	19	14	9	8	132
	Biji Nangka	102	142	126	258	113	168	171	191	170	244	187	161	2,033
	Daun Baharu	7	4	5	8	11	17	11	12	9	10	15	11	120
	Delah/Pinang-Pinang	3	9	17	38	57	37	30	19	30	35	21	12	308
	Duri/Pulutan/Utik	122	272	230	149	162	311	247	198	633	407	171	108	3,010
	Dengkis/Debam	11	34	31	33	40	48	60	51	56	58	48	36	506
	Gelama/Tengkerong/Selampai	204	135	255	237	210	245	204	298	263	321	207	229	2,808
	Gerut-Gerut	5	4	5	5	7	7	7	18	6	7	6	6	83
	Jenahak	3	3	2	4	5	4	4	3	2	2	3	2	37
	Kaci	46	47	58	71	94	88	123	97	96	110	69	66	965
	Kerapu	86	178	207	250	230	245	374	353	267	272	157	146	2,765
	Kerisi	626	653	803	1,268	1,526	1,288	1,471	1,056	1,095	1,532	1,292	944	13,554
	Kerisi Bali	135	144	213	228	277	307	219	211	165	185	163	163	2,410
	Kikek	55	57	99	84	129	75	131	186	56	64	58	36	1,030
	Malong	16	15	15	14	12	10	7	21	14	12	11	13	160
	Merah	184	209	200	209	168	132	141	139	140	163	126	129	1,940
	Mengkerong/conor/Ubi-Ubi	292	242	263	339	283	322	307	326	270	408	372	280	3,704
	Remong/Kunyit-Kunyit/Tanda	84	164	170	207	210	182	239	240	251	291	246	195	2,479
	Semilang	0	1	3	5	5	0	1	2	2	1	4	1	25
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntung Damar/Bulus	89	112	100	75	34	25	27	41	45	44	39	37	668
	Pasir-Pasir/Timun-Timun	33	102	128	142	126	181	203	138	147	164	102	102	1,568
	Alu-Alu/Kacang-Kacang	86	96	106	136	121	115	122	104	106	150	123	77	1,342
34	Aruan Tasik	16	36	44	62	70	41	35	33	37	56	40	32	502
	Bawal	39	96	90	147	126	91	119	89	79	120	174	59	1,229
	Belanak/Kedera	6	2	11	14	12	7	7	7	23	22	4	4	119
	Cermin/Sagai/Cupak	83	148	159	222	224	157	200	149	175	223	164	113	2,017

Samb.Dari Jadual 4.5.3
(Cont'd From Table 4.5.3)

	Cincaru	181	421	497	726	317	446	528	427	537	442	517	218	5,257
	Demuduk/Rambai	47	80	109	126	145	45	110	34	74	57	38	53	918
	Kurau/Senangin/Senohong	11	30	7	10	9	6	6	4	5	4	3	8	103
	Pelata/Selar	458	626	728	1,032	937	900	1,036	2,776	2,342	2,080	1,832	892	15,639
	Selar Kuning/Lolong	1,101	2,341	2,827	3,666	4,503	4,107	3,318	3,852	4,374	4,654	2,559	792	38,094
	Selayang/Curut	617	1,981	2,733	3,427	2,622	3,166	5,505	8,235	12,165	13,338	8,159	1,480	63,428
	Pisang-Pisang	0	2	2	2	1	0	1	37	2	4	0	0	51
	Talang	6	4	6	21	41	10	16	9	7	13	24	44	201
	Billis/Bunga Air	29	99	237	470	357	715	1,178	1,436	1,850	1,120	673	15	8,179
	Parang-Parang	66	78	109	145	111	116	111	121	135	139	107	88	1,326
	Tamban	254	864	900	1,412	2,106	2,333	1,612	1,201	851	2,106	1,239	134	15,012
35	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	1	1
	Aya/Kayu/Tongkol	795	1,530	2,790	3,500	2,005	2,546	2,762	2,929	3,786	3,933	1,719	925	29,220
	Layaran/Mersuji	1	0	3	0	1	0	1	1	4	2	1	2	16
	Kembong/Temenong/Pelaling	353	630	744	1,012	1,015	1,499	1,405	1,973	2,493	2,384	1,230	812	15,550
36	Tenggiri	196	321	330	327	269	226	280	290	293	401	265	200	3,398
	Timah/layor/Selayor	143	133	150	131	116	81	91	157	99	139	115	115	1,470
37	Pari	359	441	573	572	470	548	565	468	418	467	353	365	5,599
	Yu	139	114	171	179	171	182	210	208	166	207	137	146	2,030
	Ikan Baja	6,255	5,581	5,790	8,996	8,803	9,944	10,071	8,897	8,531	9,284	7,127	6,805	96,084
38	Ikan Campur	792	1,180	1,230	1,490	1,957	1,444	1,224	1,405	1,480	1,959	1,567	975	16,703
	Jebong	57	73	64	78	67	67	84	91	70	96	78	65	890
39	Ketam	114	89	94	112	133	189	272	152	123	132	152	160	1,722
	Udang Karang/Lobok	42	35	35	51	43	40	48	50	37	51	55	52	539
	Udang Putih	132	69	37	24	25	27	22	22	25	26	43	79	531
42	Udang Minyak	137	88	59	20	13	22	20	17	17	37	38	53	521
45	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	1	1
	Udang Kulit Keras	102	35	24	9	6	7	4	5	6	7	15	50	270
	Udang Harimau	36	14	9	8	6	11	11	11	13	11	10	22	162
	Lain-lain Jenis Udang	741	347	278	169	147	163	182	214	304	420	325	592	3,882
	Udang Baring	0	51	45	0	0	0	0	0	0	73	0	0	169
	Siput/Kepah/Kupang/Tiram	1	7	2	7	1	5	2	1	2	1	2	3	34
	Sotong Kereta	7	15	18	43	45	26	45	35	39	79	38	30	420
	Sotong Katak	494	537	508	650	834	1,014	1,147	978	749	982	799	630	9,322
56	Sotong Biasa	523	702	1,359	2,223	1,806	1,532	1,382	1,374	1,317	1,565	1,133	755	15,671
57	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan.M./Total Tonnes	16,604	21,485	25,886	34,915	33,426	35,591	37,791	41,472	46,570	51,211	34,231	19,593	398,775

JADUAL (TABLE) 4.5.4

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2000
(Kuantiti dalam Tan Metrik/ Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Januari	Febuari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	Total (Tonnes)
24	Kebasi Selangat	23	23	26	43	19	28	41	37	25	26	28	31	350
	Puput/B.Mata/Tirok	25	94	224	282	263	289	323	306	247	215	226	79	2,573
	Terubok	2	10	69	68	55	74	74	100	61	57	69	13	652
25	Siakap	0	0	0	0	0	0	0	0	2	0	0	1	3
31	Lidah	9	17	9	8	13	22	20	38	18	17	13	22	206
	Sebelah	17	14	15	29	33	21	31	32	23	22	32	23	292
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	158	126	171	218	349	298	531	402	257	310	246	152	3,218
	Daun Baharu	8	9	9	56	9	21	24	14	13	10	19	16	208
	Delah/Pinang-Pinang	0	0	0	6	0	16	0	1	0	0	0	98	121
	Duri/Pulutan/Utik	84	194	236	277	340	359	368	337	271	181	251	184	3,082
	Dengkis/Debam	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	105	145	377	414	574	519	568	445	456	412	368	227	4,610
	Gerut-Gerut	1	1	47	32	8	4	39	4	0	1	1	0	138
	Jenahak	14	10	14	42	42	29	37	39	25	34	29	20	335
	Kaci	7	8	16	41	27	37	33	45	29	21	14	11	289
	Kerapu	144	27	60	132	87	128	248	198	117	60	87	89	1,377
	Kerisi	84	143	144	157	246	202	435	183	198	211	230	124	2,357
	Kerisi Bali	21	21	24	47	46	43	56	35	45	73	93	70	574
	Kikek	5	5	18	10	30	34	29	24	39	17	26	85	322
	Malong	42	97	122	84	84	118	102	105	151	123	135	213	1,376
	Merah	28	29	67	199	218	126	146	126	136	145	137	102	1,459
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0	0	0	0	0	0	0	0
	Semilang	1	2	1	2	1	1	1	1	1	1	1	1	14
	Shrumbu/Lemah	10	12	17	30	31	35	41	43	36	28	44	29	356
	Puntung Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	6	7	9	20	19	28	31	21	24	13	30	5	213
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	32	40	141	208	198	164	184	132	112	75	75	49	1,410
	Belanak/Kedera	1	3	1	3	4	1	3	2	2	3	2	2	27
	Cermin/Sagai/Cupak	4	4	14	21	24	37	34	25	33	19	59	31	305

Samb.Dari Jadual 4.5.4
(Cont'd From Table 4.5.4)

	Cincaru	77	71	157	174	239	211	292	179	208	126	119	99	1,952
	Demuduk/Rambai	19	23	35	50	56	53	76	55	55	42	60	51	575
	Kurau/Senangin/Senohong	11	20	57	52	40	26	38	35	33	24	39	27	402
	Pelata/Selar	33	52	56	72	107	106	136	94	111	77	108	91	1,043
	Selar Kuning/Lolong	37	32	59	55	193	212	162	44	59	47	190	74	1,164
	Selayang/Curut	93	24	10	11	36	29	15	52	26	203	20	82	601
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	18	9	28	32	56	33	39	36	28	24	24	17	344
	Bilis/Bunga Air	0	0	0	4	98	5	0	2	0	23	1	0	133
	Parang-Parang	18	55	23	44	42	27	54	44	34	28	39	21	429
	Tamban	103	143	174	339	247	215	224	258	214	240	133	223	2,513
35	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aya/Kayu/Tongkol	75	69	126	278	226	294	289	277	343	276	242	165	2,660
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0
	Kembong/Temenong/Pelaling	133	236	260	291	262	260	321	269	360	411	492	257	3,552
36	Tenggiri	80	91	224	272	288	293	296	272	274	250	317	159	2,816
	Timah/layor/Selayor	55	38	117	304	206	283	356	313	183	144	91	58	2,148
37	Pari	110	145	300	253	263	241	334	284	242	241	254	173	2,840
	Yu	61	113	174	234	387	278	313	213	219	199	211	201	2,603
	Ikan Baja	1,425	1,672	2,093	2,473	2,855	2,572	3,047	2,713	2,829	2,684	2,627	2,532	29,522
38	Ikan Campur	1,017	1,316	3,072	2,987	3,298	2,881	2,892	2,711	2,606	2,245	2,315	1,924	29,264
	Jebong	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Ketam	60	62	90	48	60	71	62	66	80	73	76	70	818
	Udang Karang/Lobok	3	4	3	2	2	1	8	9	12	9	12	14	79
	Udang Putih	560	565	555	614	457	477	457	531	513	518	575	520	6,342
42	Udang Minyak	1	10	23	25	3	3	4	6	6	4	10	14	109
45	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	124	111	161	116	106	89	59	70	55	61	84	112	1,148
	Udang Harimau	2	3	2	1	3	3	4	4	2	2	3	8	37
	Lain-lain Jenis Udang	1,502	1,691	1,967	805	373	455	294	435	350	299	537	634	9,342
	Udang Baring	7	13	82	81	5	6	6	7	16	5	4	4	236
	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Kereta	0	0	0	3	0	0	3	0	0	0	0	0	6
	Sotong Katak	40	17	91	63	60	57	86	47	35	49	48	48	641
56	Sotong Biasa	52	71	403	616	516	343	149	245	244	181	132	103	3,055
57	Ubur-Ubur	73	338	344	277	144	101	48	115	103	343	414	391	2,691
	Jumlah Tan.M./Total Tonnes	6,620	8,035	12,517	13,005	13,348	12,259	13,463	12,081	11,561	10,902	11,392	9,749	134,932

SABAH
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2000
(Kuantiti dalam Tan Metrik/ Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Januari	Febuari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	Total (Tonnes)
24	Kebasi Selangat	57	60	49	58	63	75	85	70	71	74	72	65	799
	Puput/B. Mata/Tirok	133	246	107	109	154	149	144	240	254	411	353	366	2,666
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	143	138	141	121	113	105	134	109	105	110	115	96	1,430
31	Lidah	19	16	19	18	17	18	18	18	19	21	19	17	219
33	Sebelah	52	41	47	42	47	45	42	51	50	55	52	46	570
	Bayan	98	116	165	175	164	203	154	164	211	231	123	203	2,007
	Biji Nangka	41	37	45	33	28	92	30	44	45	27	26	27	475
34	Daun Baharu	21	15	16	14	18	19	16	19	19	17	15	13	202
	Delah/Pinang-Pinang	59	30	43	28	25	17	19	59	64	23	20	18	405
	Duri/Pulutan/Utik	271	247	259	282	265	278	236	256	240	266	274	237	3,111
34	Dengkis/Debam	55	48	54	55	47	53	90	70	57	64	55	59	707
	Gelama/Tengkerong/Selampai	226	212	231	232	271	242	236	251	229	275	214	265	2,884
	Gerut-Gerut	46	47	38	42	49	54	51	47	49	54	48	44	569
34	Jenahak	159	139	194	287	263	300	266	290	199	267	198	209	2,771
	Kaci	6	5	7	5	5	5	6	11	12	8	8	8	86
	Kerapu	428	575	476	412	590	675	579	550	481	453	580	442	6,241
34	Kerisi	432	541	510	540	674	643	678	668	641	717	620	633	7,297
	Kerisi Bali	179	115	222	183	159	177	181	165	109	116	158	83	1,847
	Kikek	83	103	66	62	65	68	65	75	74	71	57	59	848
34	Malong	105	113	118	127	125	113	115	117	112	119	133	94	1,391
	Merah	224	237	313	281	272	353	377	317	293	366	351	287	3,671
	Mengkerong/conor/Ubi-Ubi	350	374	318	335	349	400	399	353	319	426	425	291	4,339
34	Remong/Kunyit-Kunyit/Tanda	120	109	118	117	95	124	152	137	80	134	117	118	1,421
	Semilang	59	63	63	59	53	50	73	51	65	61	53	55	705
	Shrumbu/Lemah	3	2	7	2	2	2	2	1	2	3	4	2	32
34	Puntung Damar/Bulus	15	13	18	13	20	20	30	30	29	34	21	44	287
	Pasir-Pasir/Timun-Timun	4	2	3	2	5	2	2	4	0	2	2	4	32
	Alu-Alu/Kacang-Kacang	260	323	327	430	571	483	557	482	436	394	387	381	5,031
34	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	64	82	93	72	130	87	92	70	71	80	70	67	978
	Belanak/Kedera	73	103	127	93	89	98	110	96	117	113	71	71	1,161
34	Cermin/Sagai/Cupak	114	126	105	132	126	150	146	140	86	155	161	141	1,582

Samb.Dari Jadual 4.5.5
(Cont'd From Table 4.5.5)

	Cincaru	459	313	200	377	442	421	894	780	667	631	630	634	6,448
	Demuduk/Rambai	436	491	432	466	524	597	578	595	445	421	435	405	5,825
	Kurau/Senangin/Senohong	123	139	146	157	156	179	183	164	168	166	158	149	1,888
	Pelata/Selar	429	482	259	388	238	172	644	583	331	435	542	395	4,898
	Selar Kuning/Lolong	114	116	109	107	92	121	102	111	123	127	159	157	1,438
	Selayang/Curut	1,337	1,567	885	1,223	1,201	1,251	979	1,247	1,256	1,534	1,306	1,073	14,859
	Pisang-Pisang	5	9	5	2	5	5	5	5	4	6	9	7	67
	Talang	112	132	138	162	177	240	243	200	249	248	238	219	2,358
	Bilis/Bunga Air	135	158	139	183	267	345	308	294	324	326	276	258	3,013
	Parang-Parang	30	29	49	38	57	35	56	28	28	36	23	25	434
	Tamban	894	1,016	730	1,043	959	1,055	1,075	1,081	1,176	1,117	1,103	1,251	12,500
35	Bulan-Bulan	8	9	6	10	7	5	18	8	5	13	5	7	101
	Aya/Kayu/Tongkol	774	789	540	606	620	901	1,343	1,156	1,141	1,000	1,075	881	10,826
	Layaran/Mersuji	6	4	20	12	12	11	14	11	12	9	10	15	136
	Kembong/Temenong/Pelaling	986	1,268	778	890	1,021	923	1,003	1,158	1,251	1,444	1,012	898	12,632
36	Tenggiri	319	359	360	410	362	373	341	322	319	375	393	355	4,288
	Timah/layar/Selayor	309	447	639	527	630	571	554	524	462	364	314	322	5,663
37	Pari	189	164	172	269	178	184	184	179	181	211	200	190	2,301
	Yu	169	127	149	128	134	146	157	143	173	145	171	155	1,797
	Ikan Baja	2,055	2,135	2,107	1,516	1,993	1,701	1,855	1,731	1,631	1,852	1,744	1,807	22,127
38	Ikan Campur	416	471	410	347	451	477	471	419	505	525	482	477	5,451
	Jebong	28	28	23	28	33	33	34	28	33	32	29	29	358
39	Ketam	335	315	385	375	419	428	441	492	328	353	366	348	4,585
	Udang Karang/Lobok	17	23	32	36	44	34	34	33	29	32	34	39	387
	Udang Putih	354	370	368	371	430	462	453	424	415	426	389	476	4,938
42	Udang Minyak	45	45	41	45	54	56	53	51	48	50	47	48	583
45	Udang Merah Ros	56	48	63	53	48	51	72	51	53	72	47	62	676
	Udang Kulit Keras	29	31	33	33	48	45	48	46	46	53	46	49	507
	Udang Harimau	35	36	37	42	46	42	41	42	44	51	45	46	507
	Lain-lain Jenis Udang	325	290	322	323	338	308	275	352	329	256	248	305	3,671
	Udang Baring	44	119	27	6	7	8	8	9	9	9	7	7	260
	Siput/Kepah/Kupang/Tiram	87	107	67	87	86	87	97	101	93	77	82	86	1,057
	Sotong Kereta	27	25	28	31	25	31	26	29	33	31	29	36	351
	Sotong Katak	198	207	200	222	226	210	247	233	284	243	249	213	2,732
56	Sotong Biasa	680	1,264	498	506	538	514	578	537	531	627	467	532	7,272
57	Ubur-Ubur	8	11	15	12	17	13	13	14	16	13	12	15	159
	Jumlah Tan.M./Total Tonnes	15,472	17,422	14,711	15,392	16,739	17,135	18,512	18,136	17,281	18,457	17,184	16,416	202,857

JADUAL (TABLE) 4.5.6

LABUAN
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2000
(Kuantiti dalam Tan Metrik/ Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Januari	Febuari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah (Tan Metrik)
	Nama Tempatan Local Name	January	February	March	April	May	June	July	August	September	October	November	December	Total (Tonnes)
24	Kebasi Selangat	1	2	1	0	1	0	1	2	0	1	2	1	12
	Puput/B.Mata/Tirok	3	2	3	2	9	0	2	1	2	1	1	1	27
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Lidah	1	1	1	1	1	0	1	2	1	1	1	0	11
33	Sebelah	4	7	8	8	9	2	8	9	7	5	7	3	77
	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	2	4	3	5	6	2	5	6	6	3	7	4	53
	Daun Baharu	4	10	4	2	7	1	3	3	2	1	2	1	40
	Delah/Pinang-Pinang	6	4	4	45	27	3	7	7	7	7	5	5	127
	Duri/Pulutan/Utik	4	4	6	9	9	2	5	4	3	4	3	7	60
	Dengkis/Debam	6	4	4	7	11	2	2	3	6	3	4	3	55
	Gelama/Tengkerong/Selampai	5	7	7	11	5	2	4	6	3	6	16	4	76
	Gerut-Gerut	5	4	2	6	9	2	5	4	2	2	4	2	47
	Jenahak	5	5	4	6	15	3	7	5	9	6	7	2	74
	Kaci	7	5	9	5	30	6	12	15	20	3	6	3	121
	Kerapu	19	21	16	29	40	6	15	11	15	12	30	7	221
	Kerisi	29	10	13	13	14	7	9	10	14	30	24	16	189
	Kerisi Bali	13	10	11	44	35	19	26	9	30	13	34	7	251
	Kikek	5	2	9	3	7	1	3	5	3	3	3	3	47
	Malong	2	0	1	0	0	0	0	0	0	2	1	0	6
	Merah	28	13	16	23	39	15	35	31	19	19	25	11	274
	Mengkerong/onor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	2	2	1	5
	Remong/Kunyit-Kunyit/Tanda	9	7	7	10	27	7	18	13	11	6	9	7	131
	Semiliang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	0	2	1	1	2	1	0	2	2	2	2	1	16
	Puntung Damar/Bulus	0	0	0	0	0	0	0	0	0	0	1	0	1
	Pasir-Pasir/Timun-Timun	2	2	1	1	1	1	2	1	1	1	1	1	15
	Alu-Alu/Kacang-Kacang	5	5	9	9	8	2	4	5	7	10	7	4	75
34	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	8	14	16	14	42	3	4	4	5	3	2	1	116
	Belanak/Kedera	2	1	1	1	1	0	2	0	1	0	1	0	10
	Cermin/Sagai/Cupak	130	20	16	24	55	12	26	36	22	16	17	16	390

Samb.Dari Jadual 4.5.6
(Cont'd From Table 4.5.6)

	Cincaru	19	4	7	8	9	3	5	9	5	6	7	1	83
	Demuduk/Rambai	5	2	5	2	8	2	4	5	10	3	5	2	53
	Kurau/Senangin/Senohong	1	1	1	3	2	1	1	1	0	0	0	0	11
	Pelata/Selar	24	10	16	11	19	5	17	16	15	14	15	17	179
	Selar Kuning/Lolong	9	11	7	6	11	5	10	7	11	13	17	8	115
	Selayang/Curut	10	24	13	52	18	6	12	19	13	11	10	10	198
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	1	1
	Talang	0	0	0	2	9	1	2	0	2	0	1	1	18
	Bilis/Bunga Air	0	3	0	0	3	0	0	0	0	0	1	0	7
	Parang-Parang	2	2	2	2	6	0	0	0	0	0	0	0	14
	Tamban	25	11	16	20	13	5	13	9	10	8	7	6	143
35	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aya/Kayu/Tongkol	612	327	698	343	389	733	503	604	489	663	401	630	6,392
	Layaran/Mersuji	1	1	1	0	6	0	0	0	0	0	0	0	9
	Kembong/Temenong/Pelaling	62	26	42	107	109	17	34	39	33	41	43	35	588
36	Tenggiri	19	15	15	19	28	4	13	16	12	10	10	6	167
	Timah/layor/Selayor	0	1	3	0	0	0	0	0	0	3	0	0	7
37	Pari	18	6	5	4	6	4	4	9	4	8	10	4	82
	Yu	13	4	5	4	12	3	4	8	4	11	16	3	87
	Ikan Baja	121	129	103	100	101	105	225	192	108	116	243	186	1,729
38	Ikan Campur	49	314	36	53	49	13	27	41	80	56	53	57	828
	Jebong	5	3	7	3	3	1	5	3	5	2	9	6	52
39	Ketam	2	2	5	2	7	1	3	2	1	3	2	1	31
	Udang Karang/Lobok	8	3	3	2	4	1	2	4	7	7	11	8	60
	Udang Putih	14	2	9	11	8	2	9	11	7	7	10	8	98
42	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Harimau	8	2	4	6	4	2	4	9	6	7	8	5	65
	Lain-lain Jenis Udang	20	10	13	10	5	6	15	15	36	27	41	22	220
	Udang Baring	4	5	2	0	0	0	0	0	0	0	0	0	11
	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Kereta	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	10	6	5	7	10	6	7	17	10	9	11	7	105
56	Sotong Biasa	13	5	9	29	8	6	9	21	15	7	7	5	134
57	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan.M./Total Tonnes	1,379	1,095	1,205	1,085	1,257	1,031	1,134	1,251	1,081	1,194	1,162	1,140	14,014

JADUAL (TABLE) 4.6

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2000
(Kuantiti Dalam Tan Matrik/Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Nets		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap- Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/ Scoop Net	Memungut Siput Shellfish Collection	Rampaian Miscell aneous	Jumlah (Tan Metrik) Total (Tonnes)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy				Belat- Belat Stationary	Bubu Portable							
24	Kebasi/Selangat	1,142	6	0	18	2,698	0	44	14	2	40	0	52	0	0	4,016
	Puput/B. Mata/Tirok	7,043	8	9	80	5,547	3	9	0	1	0	0	5	0	0	12,705
	Terubok	8	0	0	0	657	0	0	0	0	0	0	0	0	0	665
25	Siakap	73	0	0	0	445	0	32	82	1,051	0	15	0	0	3	1,701
31	Lidah	2,286	0	0	8	656	0	51	60	0	0	15	0	0	0	3,076
	Sebelah	1,399	1	0	0	181	0	48	1	0	8	3	0	0	0	1,641
33	Bayan	232	0	0	178	32	0	4	158	1,503	0	0	0	0	32	2,139
	Biji Nangka	10,528	7	0	0	109	0	0	200	1	0	0	0	0	0	10,845
	Daun Baharu	379	17	0	0	206	0	3	8	10	29	0	0	0	26	678
	Delah/Pinang-Pinang	63	124	0	0	28	0	1	274	141	0	0	0	0	349	980
	Duri/Pulutan/Utik	6,054	1,067	113	150	4,903	1	186	22	1,865	74	330	40	0	0	14,805
	Dengkis/Debam	520	0	0	65	184	6	63	401	116	8	0	0	0	30	1,393
	Gelama/Tengkerong/Selampai	13,610	114	252	1,375	6,560	6	154	4	992	86	164	65	0	57	23,439
	Gerut-Gerut	810	0	0	0	316	2	23	33	301	0	9	6	0	0	1,500
	Jenahak	771	3	0	0	836	0	2	274	1,867	0	3	0	0	94	3,850
	Kaci	795	0	0	0	34	0	1	227	450	0	0	0	0	0	1,507
	Kerapu	3,696	0	0	0	624	0	53	1,356	6,366	0	2	1	0	76	12,174
	Kerisi	26,729	12	0	5	943	5	0	3,757	1,058	0	1	0	0	0	32,510
	Kerisi Bali	3,175	0	0	0	335	0	0	179	1,540	0	0	0	0	0	5,229
	Kikek	1,750	232	1	0	281	106	90	0	1	0	0	0	0	0	2,461
	Malong	2,970	0	0	8	345	0	21	1	2,073	0	0	0	0	0	5,418
	Merah	2,208	3	0	0	994	14	10	784	3,558	0	0	0	0	18	7,589
	Mengkerong/Canor/Ubi-Ubi	17,553	0	0	0	6	0	0	8	0	0	0	0	0	0	17,567
	Remong/Kunyit-Kunyit/Tanda	1,752	36	0	0	89	0	27	741	1,625	0	0	0	0	0	4,270
	Semilang	271	1	0	5	1,067	0	45	90	479	71	172	21	0	0	2,222
	Shrumbu/Lemah	291	0	0	0	130	0	1	0	0	0	0	0	0	0	422
	Puntong Damar/Bulus	1,366	3	0	0	367	0	0	1	70	0	5	0	0	0	1,812
	Pasir-Pasir/Timun-Timun	830	0	0	0	24	0	1	696	150	0	0	0	0	0	1,701
34	Alu-Alu/Kacang-Kacang	4,012	364	0	0	214	1,102	71	9	1,591	0	0	8	0	76	7,447
	Aruan Tasik	301	3	0	0	31	0	0	75	230	0	0	0	0	0	640
	Bawal	5,124	682	1	217	2,152	147	112	5	5	5	1	87	0	0	8,538

Samb.Dari Jadual 4.6.
(Cont' d From Table 4.6.)

	Belanak/Kedera	630	23	0	22	4,268	6	76	1	3	82	139	27	0	72	5,349
	Cermin/Sagai/Cupak	1,986	530	0	23	279	356	5	65	1,522	0	0	0	0	0	4,766
	Cincaru	5,944	9,101	3	11	1,018	525	0	0	657	0	0	0	0	73	17,332
	Demudok/Rambai	3,017	665	0	4	825	389	30	87	2,566	0	0	0	0	284	7,867
	Kurau/Senangin/Senohong	589	86	0	57	3,153	0	72	5	335	0	15	3	0	0	4,315
	Pelata/Selar	5,712	16,286	5	5	1,468	856	14	63	2,277	0	0	16	0	279	26,981
	Selar Kuning/Lolong	9,702	31,070	0	0	301	2,372	3	21	784	0	0	0	0	0	44,253
	Selayang/Curut	6,430	75,202	0	0	292	1,520	40	0	719	0	0	0	0	0	84,203
	Pisang-Pisang	14	469	0	0	50	0	1	1	30	0	0	0	0	0	565
	Talang	990	87	0	0	1,255	924	59	0	164	0	3	0	0	0	3,482
35	Billis/Bunga Air	896	26	14,546	7	0	6,984	37	0	0	0	0	0	0	20	22,516
	Parang-Parang	2,593	28	1	2	1,552	1	0	0	7	0	0	0	0	0	4,184
	Tamban	1,231	28,396	518	28	1,408	1,873	45	0	63	0	0	0	0	51	33,613
	Bulan-Bulan	96	2	0	0	10	0	25	0	0	0	0	0	0	0	133
36	Aya/Kayu/Tongkol	163	48,372	31	540	3,217	5	0	5	7,004	0	0	0	0	0	59,337
	Layaran/Mersuji	6	0	0	0	100	0	0	0	60	0	0	0	0	0	166
37	Kembong/Temenong/Pelaling	27,057	32,486	0	74	36,443	675	40	0	1,246	0	1	0	0	33	98,055
	Tenggiri	5,991	496	0	1	5,768	7	0	17	3,642	0	3	0	0	3	15,928
	Timah/Layor/Selayor	7,209	2,601	29	12	800	175	26	0	716	3	0	0	0	3	11,574
38	Pari	12,655	4	0	11	1,711	0	153	17	1,933	1	30	41	0	17	16,573
	Yu	4,906	44	0	0	2,091	0	30	39	812	0	1	0	0	25	7,948
39	Ikan Baja	317,548	6,307	354	13,412	2,482	1	186	1	3	3,268	760	3,881	0	0	348,203
	Ikan Campur	45,545	3,251	202	201	10,545	285	653	289	1,014	1,744	566	394	0	107	64,796
	Jebong	1,072	7	0	0	22	0	0	292	35	0	0	0	0	0	1,428
42	Ketam	5,794	0	0	62	2,249	0	108	1,072	0	20	112	70	0	3,152	12,639
45	Udang Karang/Lobok	1,045	0	0	0	42	0	0	0	0	0	0	0	0	16	1,103
	Udang Putih	6,469	0	0	145	9,742	0	113	0	0	141	15	277	0	394	17,296
	Udang Minyak	6,146	0	0	2,112	93	0	0	0	0	739	19	141	0	0	9,250
	Udang Merah Ros	1,577	0	0	0	23	0	0	0	0	0	0	0	0	0	1,600
	Udang Kulit Keras	2,977	0	0	890	275	0	15	0	0	466	1	141	0	48	4,813
	Udang Harimau	923	0	0	1	196	0	8	0	0	13	2	18	0	0	1,161
	Lain-Lain Jenis Udang	30,026	100	0	9,086	5,165	0	314	0	0	2,711	202	3,466	0	338	51,408
	Udang Baring	0	0	0	8	157	54	387	0	0	7,259	1	2,354	4	224	10,448
56	Siput/Kepah/Kupang/Tiram	574	0	0	0	0	0	0	0	0	0	0	0	5,385	272	6,231
57	Sotong Kereta	1,420	0	0	6	9	72	0	1	26	9	0	0	0	8	1,551
	Sotong Katak	23,717	19	0	261	717	295	0	818	3	182	2	278	0	22	26,314
	Sotong Biasa	49,621	2,037	0	116	127	954	88	189	1,170	27	3	0	0	7	54,339
76	Ubur-Ubur	367	0	0	0	7	0	34	0	0	7,549	239	0	1	839	9,036
	Jumlah Tan M./Total Tonnes	710,379	260,378	16,065	29,206	128,854	19,721	3,614	12,443	53,837	24,535	2,834	11,392	5,390	7,048	1,285,696

JADUAL (TABLE) 4.6.1.

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2000
(Kuantiti Dalam Tan Matrik/Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Net		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap- Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/ Scoop Net	Memungut Siput Shellfish Collection	Rampaian Miscell aneous	Jumlah (Tan Metrik) Total (Tonnes)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy				Belat- Belat Stationary	Bubu Portable							
24	Kebasi/Selangat	541	5	0	18	2,199	0	0	0	0	40	0	52	0	0	2,855
	Puput/B. Mata/Tirok	3,484	8	9	80	3,849	3	0	0	1	0	0	5	0	0	7,439
	Terubok	8	0	0	0	5	0	0	0	0	0	0	0	0	0	13
25	Siakap	73	0	0	0	146	0	0	11	23	0	15	0	0	0	268
31	Lidah	1,913	0	0	8	593	0	51	60	0	0	15	0	0	0	2,640
33	Sebelah	634	1	0	0	56	0	0	0	0	8	3	0	0	0	702
	Bayan	24	0	0	0	3	0	0	96	9	0	0	0	0	0	132
	Biji Nangka	6,877	0	0	0	30	0	0	191	1	0	0	0	0	0	7,099
34	Daun Baharu	132	17	0	0	66	0	0	8	5	0	0	0	0	0	228
	Delah/Pinang-Pinang	31	25	0	0	1	0	0	258	12	0	0	0	0	0	327
	Duri/Pulutan/Utik	3,141	1,066	113	150	2,673	1	43	22	915	73	315	40	0	0	8,552
	Dengkis/Debam	218	0	0	0	17	1	3	282	102	8	0	0	0	0	631
	Gelama/Tengkerong/Selampai	8,171	114	252	1,375	5,360	6	66	4	228	85	143	65	0	0	15,869
	Gerut-Gerut	388	0	0	0	131	2	1	32	177	0	9	6	0	0	746
	Jenahak	283	3	0	0	39	0	1	89	252	0	3	0	0	0	670
	Kaci	524	0	0	0	24	0	0	211	252	0	0	0	0	0	1,011
	Kerapu	2,147	0	0	0	56	0	0	1,192	937	0	2	1	0	0	4,335
	Kerisi	17,256	12	0	5	825	5	0	3,742	821	0	1	0	0	0	22,667
	Kerisi Bali	2,243	0	0	0	5	0	0	162	147	0	0	0	0	0	2,557
	Kikek	890	232	1	0	58	3	60	0	0	0	0	0	0	0	1,244
	Malong	1,151	0	0	8	238	0	21	1	1,226	0	0	0	0	0	2,645
	Merah	861	3	0	0	20	0	0	434	867	0	0	0	0	0	2,185
	Mengkerong/Canor/Ubi-Ubi	13,209	0	0	0	6	0	0	8	0	0	0	0	0	0	13,223
	Remong/Kunyit-Kunyit/Tanda	1,541	36	0	0	37	0	1	670	433	0	0	0	0	0	2,718
	Semilang	271	0	0	5	657	0	0	27	284	71	167	21	0	0	1,503
	Shrumbu/Lemah	0	0	0	0	18	0	0	0	0	0	0	0	0	0	18
	Puntong Damar/Bulus	1,154	0	0	0	314	0	0	1	50	0	5	0	0	0	1,524
	Pasir-Pasir/Timun-Timun	791	0	0	0	18	0	0	695	150	0	0	0	0	0	1,654
	Alu-Alu/Kacang-Kacang	1,585	210	0	0	139	0	5	9	172	0	0	8	0	0	2,128
	Aruan Tasik	301	3	0	0	31	0	0	75	230	0	0	0	0	0	640
	Bawal	3,899	570	1	217	1,226	7	80	5	5	5	1	18	0	0	6,034

Samb.Dari Jadual 4.6.1
(Cont' d From Table 4.6.1)

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	Belanak/Kedera	625	13	0	22	3,232	0	26	0	3	82	121	27	0	0	4,151
	Cermin/Sagai/Cupak	1,349	434	0	0	74	4	4	49	575	0	0	0	0	0	2,489
	Cincaru	3,369	4,361	3	0	596	1	0	0	519	0	0	0	0	0	8,849
	Demudok/Rambai	601	443	0	0	23	1	0	69	277	0	0	0	0	0	1,414
	Kurau/Senangin/Senohong	560	86	0	57	1,190	0	25	5	74	0	14	3	0	0	2,014
	Pelata/Selar	4,403	12,898	5	0	1,192	134	13	63	2,153	0	0	0	0	0	20,861
	Selar Kuning/Lolong	8,368	30,647	0	0	182	2,253	3	21	62	0	0	0	0	0	41,536
	Selayang/Curut	2,787	64,997	0	0	20	42	0	0	699	0	0	0	0	0	68,545
	Pisang-Pisang	13	469	0	0	2	0	0	0	13	0	0	0	0	0	497
	Talang	265	82	0	0	312	0	5	0	96	0	2	0	0	0	762
35	Bilis/Bunga Air	659	0	14,546	0	0	4,158	0	0	0	0	0	0	0	0	19,363
	Parang-Parang	1,950	27	1	2	1,319	1	0	0	7	0	0	0	0	0	3,307
	Tamban	940	15,854	518	0	222	800	9	0	63	0	0	0	0	51	18,457
	Bulan-Bulan	31	0	0	0	1	0	0	0	0	0	0	0	0	0	32
36	Aya/Kayu/Tongkol	138	33,180	31	0	486	5	0	5	5,614	0	0	0	0	0	39,459
	Layaran/Mersuji	6	0	0	0	6	0	0	0	9	0	0	0	0	0	21
37	Kembong/Temenong/Pelaling	22,072	23,713	0	0	34,994	7	0	0	496	0	1	0	0	0	81,283
	Tenggiri	3,689	436	0	0	2,742	2	0	17	1,768	0	3	0	0	0	8,657
	Timah/Layor/Selayor	2,765	285	29	12	612	7	25	0	18	3	0	0	0	0	3,756
38	Pari	8,641	4	0	11	1,327	0	9	17	1,291	1	8	41	0	0	11,350
	Yu	2,610	42	0	0	451	0	15	39	303	0	1	0	0	0	3,461
39	Ikan Baja	265,731	5,885	354	13,412	2,345	1	0	1	3	2,452	760	3,881	0	0	294,825
	Ikan Campur	21,468	2,390	202	136	3,589	26	75	268	441	236	70	335	0	17	29,253
	Jebong	711	7	0	0	4	0	0	282	14	0	0	0	0	0	1,018
42	Ketam	3,862	0	0	62	1,605	0	0	648	0	20	109	70	0	829	7,205
45	Udang Karang/Lobok	539	0	0	0	31	0	0	0	0	0	0	0	0	7	577
	Udang Putih	1,919	0	0	86	3,479	0	23	0	0	105	14	277	0	15	5,918
	Udang Minyak	5,465	0	0	2,112	82	0	0	0	0	739	19	141	0	0	8,558
	Udang Merah Ros	917	0	0	0	7	0	0	0	0	0	0	0	0	0	924
	Udang Kulit Keras	1,712	0	0	890	274	0	15	0	0	125	1	141	0	0	3,158
	Udang Harimau	447	0	0	1	71	0	0	0	0	13	2	18	0	0	552
	Lain-Lain Jenis Udang	19,001	100	0	9,086	4,654	0	235	0	0	1,431	202	3,466	0	0	38,175
	Udang Baring	0	0	0	1	0	0	326	0	0	7,259	1	2,354	0	0	9,941
56	Siput/Kepah/Kupang/Tiram	41	0	0	0	0	0	0	0	0	0	0	0	5,133	0	5,174
57	Sotong Kereta	1,169	0	0	6	9	0	0	1	0	9	0	0	0	0	1,194
	Sotong Katak	20,562	12	0	261	717	1	0	818	3	182	2	278	0	0	22,836
	Sotong Biasa	40,564	1,248	0	86	127	479	17	189	1,138	27	3	0	0	0	43,878
76	Ubur-Ubur	314	0	0	0	6	0	0	0	0	5,858	0	0	0	8	6,186
	Jumlah Tan M./Total Tonnes	524,004	199,918	16,065	28,109	84,823	7,950	1,157	10,777	22,938	18,832	2,012	11,248	5,133	927	933,893

JADUAL (TABLE) 4.6.2.

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2000

(Kuantiti Dalam Tan Matrik/Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Net		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap- Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/ Scoop Net	Memungut Siput Shellfish Collection	Rampaian Miscell aneous	Jumlah (Tan Metrik)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy				Belat- Belat Stationary	Bubu Portable							Total (Tonnes)
24	Kebasi/Selangat	541	5	0	18	2,199	0	0	0	0	40	0	52	0	0	2,855
	Puput/B.Mata/Tirok	3,464	8	0	80	3,706	0	0	0	0	0	0	5	0	0	7,263
	Terubok	8	0	0	0	5	0	0	0	0	0	0	0	0	0	13
25	Siakap	67	0	0	0	142	0	0	7	14	0	15	0	0	0	245
31	Lidah	1,673	0	0	8	586	0	51	0	0	0	15	0	0	0	2,333
	Sebelah	299	0	0	0	50	0	0	0	0	8	3	0	0	0	360
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	5,059	0	0	0	7	0	0	0	0	0	0	0	0	0	5,066
	Daun Baharu	24	17	0	0	60	0	0	7	0	0	0	0	0	0	108
	Delah/Pinang-Pinang	16	0	0	0	0	0	0	3	0	0	0	0	0	0	19
	Duri/Pulutan/Utik	1,844	0	0	150	2,426	0	34	6	654	73	315	40	0	0	5,542
	Dengkis/Debam	93	0	0	0	2	0	0	22	0	8	0	0	0	0	125
	Gelama/Tengkerong/Selampai	6,162	114	0	1,375	4,886	0	62	4	165	85	143	65	0	0	13,061
	Gerut-Gerut	327	0	0	0	115	0	1	31	174	0	9	6	0	0	663
	Jenahak	250	3	0	0	38	0	1	87	251	0	3	0	0	0	633
	Kaci	31	0	0	0	4	0	0	8	3	0	0	0	0	0	46
	Kerapu	1,291	0	0	0	48	0	0	82	146	0	2	1	0	0	1,570
	Kerisi	8,903	0	0	5	175	0	0	4	25	0	1	0	0	0	9,113
	Kerisi Bali	144	0	0	0	0	0	0	0	3	0	0	0	0	0	147
	Kikek	66	93	0	0	0	0	55	0	0	0	0	0	0	0	214
	Malong	1,018	0	0	8	238	0	21	1	1,199	0	0	0	0	0	2,485
	Merah	135	0	0	0	11	0	0	35	64	0	0	0	0	0	245
	Mengkerong/Canor/Ubi-Ubi	9,514	0	0	0	5	0	0	0	0	0	0	0	0	0	9,519
	Remong/Kunyit-Kunyit/Tanda	219	0	0	0	3	0	1	0	16	0	0	0	0	0	239
	Semilang	246	0	0	5	657	0	0	27	284	71	167	21	0	0	1,478
	Shrumbu/Lemah	0	0	0	0	18	0	0	0	0	0	0	0	0	0	18
	Puntong Damar/Bulus	682	0	0	0	118	0	0	1	50	0	5	0	0	0	856
34	Pasir-Pasir/Timun-Timun	76	0	0	0	3	0	0	2	5	0	0	0	0	0	86
	Alu-Alu/Kacang-Kacang	579	4	0	0	107	0	5	0	83	0	0	8	0	0	786
	Aruan Tasik	126	0	0	0	4	0	0	0	8	0	0	0	0	0	138
	Bawal	3,369	0	0	217	1,115	0	80	0	0	5	1	18	0	0	4,805

Samb.Dari Jadual 4.6.2
(Cont' d From Table 4.6.2.)

	Belanak/Kedera	619	13	0	22	3,146	0	0	0	2	82	121	27	0	0	4,032
	Cermin/Sagai/Cupak	381	27	0	0	39	0	4	5	16	0	0	0	0	0	472
	Cincaru	2,045	1,342	0	0	204	0	0	0	1	0	0	0	0	0	3,592
	Demudok/Rambai	398	89	0	0	3	0	0	2	4	0	0	0	0	0	496
	Kurau/Senangin/Senohong	547	86	0	57	1,100	0	25	5	74	0	14	3	0	0	1,911
	Pelata/Selar	2,099	3,062	0	0	48	0	13	0	0	0	0	0	0	0	5,222
	Selar Kuning/Lolong	1,726	1,707	0	0	4	0	3	0	2	0	0	0	0	0	3,442
	Selayang/Curut	1,002	4,115	0	0	0	0	0	0	0	0	0	0	0	0	5,117
	Pisang-Pisang	12	434	0	0	0	0	0	0	0	0	0	0	0	0	446
	Talang	175	29	0	0	258	0	5	0	92	0	2	0	0	0	561
35	Bilis/Bunga Air	559	0	10,625	0	0	0	0	0	0	0	0	0	0	0	11,184
	Parang-Parang	1,126	10	0	2	840	0	0	0	3	0	0	0	0	0	1,981
	Tamban	918	2,343	87	0	46	0	0	0	0	0	0	0	0	51	3,445
	Bulan-Bulan	30	0	0	0	1	0	0	0	0	0	0	0	0	0	31
36	Aya/Kayu/Tongkol	93	9,857	0	0	288	0	0	0	1	0	0	0	0	0	10,239
	Layaran/Mersuji	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
37	Kembong/Temenong/Pelaling	20,166	16,034	0	0	29,532	0	0	0	0	0	1	0	0	0	65,733
	Tenggiri	2,771	89	0	0	2,346	0	0	3	47	0	3	0	0	0	5,259
	Timah/Layor/Selayor	1,881	7	0	12	358	0	25	0	0	3	0	0	0	0	2,286
38	Pari	3,813	0	0	11	880	0	9	8	980	1	8	41	0	0	5,751
	Yu	1,047	0	0	0	306	0	15	1	61	0	1	0	0	0	1,431
39	Ikan Baja	172,148	4,163	16	13,412	2,325	0	0	1	2	2,033	760	3,881	0	0	198,741
	Ikan Campur	8,051	480	107	136	3,013	0	66	37	43	195	70	335	0	17	12,550
	Jebong	119	0	0	0	0	0	0	9	0	0	0	0	0	0	128
42	Ketam	2,712	0	0	62	1,529	0	0	205	0	20	109	70	0	776	5,483
45	Udang Karang/Lobok	38	0	0	0	0	0	0	0	0	0	0	0	0	0	38
	Udang Putih	1,554	0	0	86	3,322	0	23	0	0	96	14	277	0	15	5,387
	Udang Minyak	4,984	0	0	2,112	79	0	0	0	0	702	19	141	0	0	8,037
	Udang Merah Ros	916	0	0	0	7	0	0	0	0	0	0	0	0	0	923
	Udang Kulit Keras	1,447	0	0	890	269	0	15	0	0	125	1	141	0	0	2,888
	Udang Harimau	300	0	0	1	61	0	0	0	0	8	2	18	0	0	390
	Lain-Lain Jenis Udang	15,338	100	0	9,086	4,532	0	220	0	0	1,349	202	3,466	0	0	34,293
	Udang Baring	0	0	0	1	0	0	326	0	0	7,090	1	2,354	0	0	9,772
56	Siput/Kepah/Kupang/Tiram	7	0	0	0	0	0	0	0	0	0	0	0	5,133	0	5,140
57	Sotong Kereta	749	0	0	6	9	0	0	1	0	9	0	0	0	0	774
	Sotong Katak	12,056	12	0	261	713	0	0	10	0	182	2	278	0	0	13,514
	Sotong Biasa	27,746	145	0	86	105	0	17	78	0	27	3	0	0	0	28,207
76	Ubur-Ubur	314	0	0	0	6	0	0	0	0	5,858	0	0	0	8	6,186
	Jumlah Tan M./Total Tonnes	336,118	44,388	10,835	28,109	72,097	0	1,077	692	4,472	18,070	2,012	11,248	5,133	867	535,118

JADUAL (TABLE) 4.6.3.

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2000

(Kuantiti Dalam Tan Matrik/Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Net		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap- Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/ Scoop Net	Memungut Siput Shellfish Collection	Rampalan Miscell aneous	Jumlah (Tan Metrik) Total (Tonnes)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy				Belat- Belat Stationary	Bubu Portable							
24	Kebasi/Selangat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puput/B.Mata/Tirok	20	0	9	0	143	3	0	0	1	0	0	0	0	0	176
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	6	0	0	0	4	0	0	4	9	0	0	0	0	0	23
31	Lidah	240	0	0	0	7	0	0	60	0	0	0	0	0	0	307
33	Sebelah	335	1	0	0	6	0	0	0	0	0	0	0	0	0	342
	Bayan	24	0	0	0	3	0	0	96	9	0	0	0	0	0	132
	Biji Nangka	1,818	0	0	0	23	0	0	191	1	0	0	0	0	0	2,033
	Daun Baharu	108	0	0	0	6	0	0	1	5	0	0	0	0	0	120
	Delah/Pinang-Pinang	15	25	0	0	1	0	0	255	12	0	0	0	0	0	308
	Duri/Pulutan/Utik	1,297	1,066	113	0	247	1	9	16	261	0	0	0	0	0	3,010
	Dengkis/Debam	125	0	0	0	15	1	3	260	102	0	0	0	0	0	506
	Gelama/Tengkerong/Selampai	2,009	0	252	0	474	6	4	0	63	0	0	0	0	0	2,808
	Gerut-Gerut	61	0	0	0	16	2	0	1	3	0	0	0	0	0	83
	Jenahak	33	0	0	0	1	0	0	2	1	0	0	0	0	0	37
	Kaci	493	0	0	0	20	0	0	203	249	0	0	0	0	0	965
	Kerapu	856	0	0	0	8	0	0	1,110	791	0	0	0	0	0	2,765
	Kerisi	8,353	12	0	0	650	5	0	3,738	796	0	0	0	0	0	13,554
	Kerisi Bali	2,099	0	0	0	5	0	0	162	144	0	0	0	0	0	2,410
	Kikek	824	139	1	0	58	3	5	0	0	0	0	0	0	0	1,030
	Malong	133	0	0	0	0	0	0	0	27	0	0	0	0	0	160
	Merah	726	3	0	0	9	0	0	399	803	0	0	0	0	0	1,940
	Mengkerong/Canor/Ubi-Ubi	3,695	0	0	0	1	0	0	8	0	0	0	0	0	0	3,704
	Remong/Kunyit-Kunyit/Tanda	1,322	36	0	0	34	0	0	670	417	0	0	0	0	0	2,479
	Semilang	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntong Damar/Bulus	472	0	0	0	196	0	0	0	0	0	0	0	0	0	668
	Pasir-Pasir/Timun-Timun	715	0	0	0	15	0	0	693	145	0	0	0	0	0	1,568
	Alu-Alu/Kacang-Kacang	1,006	206	0	0	32	0	0	9	89	0	0	0	0	0	1,342
34	Aruan Tasik	175	3	0	0	27	0	0	75	222	0	0	0	0	0	502
	Bawal	530	570	1	0	111	7	0	5	5	0	0	0	0	0	1,229

Samb. Dari Jadual 4.6.3
(Cont' d From Table 4.6.3.)

68	Belanak/Kedera	6	0	0	0	86	0	26	0	1	0	0	0	0	0	119
	Cermin/Sagai/Cupak	968	407	0	0	35	4	0	44	559	0	0	0	0	0	2,017
	Cincaru	1,324	3,019	3	0	392	1	0	0	518	0	0	0	0	0	5,257
	Demudok/Rambai	203	354	0	0	20	1	0	67	273	0	0	0	0	0	918
	Kurau/Senangin/Senohong	13	0	0	0	90	0	0	0	0	0	0	0	0	0	103
	Pelata/Selar	2,304	9,836	5	0	1,144	134	0	63	2,153	0	0	0	0	0	15,639
	Selar Kuning/Lolong	6,642	28,940	0	0	178	2,253	0	21	60	0	0	0	0	0	38,094
	Selayang/Curut	1,785	60,882	0	0	20	42	0	0	699	0	0	0	0	0	63,428
	Pisang-Pisang	1	35	0	0	2	0	0	0	13	0	0	0	0	0	51
	Talang	90	53	0	0	54	0	0	0	4	0	0	0	0	0	201
	35 Bilis/Bunga Air	100	0	3,921	0	0	4,158	0	0	0	0	0	0	0	0	8,179
	Parang-Parang	824	17	1	0	479	1	0	0	4	0	0	0	0	0	1,326
	Tamban	22	13,511	431	0	176	800	9	0	63	0	0	0	0	0	15,012
	Bulan-Bulan	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	36 Aya/Kayu/Tongkol	45	23,323	31	0	198	5	0	5	5,613	0	0	0	0	0	29,220
	Layaran/Mersuji	1	0	0	0	6	0	0	0	9	0	0	0	0	0	16
	37 Kembong/Temenong/Pelaling	1,906	7,679	0	0	5,462	7	0	0	496	0	0	0	0	0	15,550
	Tenggiri	918	347	0	0	396	2	0	14	1,721	0	0	0	0	0	3,398
	Timah/Layor/Selayor	884	278	29	0	254	7	0	0	18	0	0	0	0	0	1,470
	38 Pari	4,828	4	0	0	447	0	0	9	311	0	0	0	0	0	5,599
	Yu	1,563	42	0	0	145	0	0	38	242	0	0	0	0	0	2,030
	39 Ikan Baja	93,583	1,722	338	0	20	1	0	0	1	419	0	0	0	0	96,084
	Ikan Campur	13,417	1,910	95	0	576	26	9	231	398	41	0	0	0	0	16,703
	Jebong	592	7	0	0	4	0	0	273	14	0	0	0	0	0	890
	42 Ketam	1,150	0	0	0	76	0	0	443	0	0	0	0	0	53	1,722
	45 Udang Karang/Lobok	501	0	0	0	31	0	0	0	0	0	0	0	0	7	539
	Udang Putih	365	0	0	0	157	0	0	0	0	9	0	0	0	0	531
	Udang Minyak	481	0	0	0	3	0	0	0	0	37	0	0	0	0	521
	Udang Merah Ros	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Udang Kulit Keras	265	0	0	0	5	0	0	0	0	0	0	0	0	0	270
	Udang Harimau	147	0	0	0	10	0	0	0	0	5	0	0	0	0	162
	Lain-Lain Jenis Udang	3,663	0	0	0	122	0	15	0	0	82	0	0	0	0	3,882
	Udang Baring	0	0	0	0	0	0	0	0	0	169	0	0	0	0	169
	56 Siput/Kepah/Kupang/Tiram	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34
	57 Sotong Kereta	420	0	0	0	0	0	0	0	0	0	0	0	0	0	420
	Sotong Katak	8,506	0	0	0	4	1	0	808	3	0	0	0	0	0	9,322
	Sotong Biasa	12,818	1,103	0	0	22	479	0	111	1,138	0	0	0	0	0	15,671
	76 Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	187,886	155,530	5,230	0	12,726	7,950	80	10,085	18,466	762	0	0	0	60	398,775

JADUAL (TABLE) 4.6.4.

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2000
(Kuantiti Dalam Tan Matrik/Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Nets		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap- Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/ Scoop Net	Memungut Siput Shellfish Collection	Rampaian Miscellane ous	Jumlah (Tan Metrik) Total (Tonnes)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy				Belat- Belat Stationary	Bubu Portable							
24	Kebasi/Selangat	26	0	0	0	324	0	0	0	0	0	0	0	0	0	350
	Puput/B.Mata/Tirok	884	0	0	0	1,680	0	9	0	0	0	0	0	0	0	2,573
	Terubok	0	0	0	0	652	0	0	0	0	0	0	0	0	0	652
25	Siakap	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
31	Lidah	143	0	0	0	63	0	0	0	0	0	0	0	0	0	206
	Sebelah	196	0	0	0	96	0	0	0	0	0	0	0	0	0	292
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	3,132	7	0	0	79	0	0	0	0	0	0	0	0	0	3,218
	Daun Baharu	117	0	0	0	60	0	2	0	0	29	0	0	0	0	208
	Delah/Pinang-Pinang	16	99	0	0	0	0	0	0	6	0	0	0	0	0	121
	Duri/Pulutan/Utik	1,538	0	0	0	1,307	0	41	0	180	1	15	0	0	0	3,082
	Dengkis/Debam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	3,831	0	0	0	750	0	7	0	0	1	21	0	0	0	4,610
	Gerut-Gerut	125	0	0	0	3	0	0	0	10	0	0	0	0	0	138
	Jenahak	153	0	0	0	90	0	0	0	92	0	0	0	0	0	335
	Kaci	191	0	0	0	1	0	0	0	97	0	0	0	0	0	289
	Kerapu	976	0	0	0	102	0	0	0	299	0	0	0	0	0	1,377
	Kerisi	2,222	0	0	0	83	0	0	0	52	0	0	0	0	0	2,357
	Kerisi Bali	508	0	0	0	0	0	0	0	66	0	0	0	0	0	574
	Kikek	227	0	0	0	94	0	0	0	1	0	0	0	0	0	322
	Malong	745	0	0	0	107	0	0	0	524	0	0	0	0	0	1,376
	Merah	865	0	0	0	89	0	0	0	505	0	0	0	0	0	1,459
	Mengkerong/Canor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Semilang	0	0	0	0	0	0	9	0	0	0	5	0	0	0	14
	Shrumbu/Lemah	261	0	0	0	95	0	0	0	0	0	0	0	0	0	356
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	183	1	0	0	4	0	0	0	25	0	0	0	0	0	213
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	901	54	0	0	386	0	0	0	0	0	0	69	0	0	1,410

Samb.Dari Jadual 4.6.4.
(Cont' d From Table 4.6.4.)

	Belanak/Kedera	5	0	0	0	4	0	0	0	0	0	18	0	0	0	27
	Cermin/Sagai/Cupak	259	0	0	0	28	0	0	0	18	0	0	0	0	0	305
	Cincaru	1,515	111	0	0	326	0	0	0	0	0	0	0	0	0	1,952
	Demudok/Rambai	410	0	0	0	144	0	0	0	21	0	0	0	0	0	575
	Kurau/Senangin/Senohong	17	0	0	0	375	0	9	0	0	0	1	0	0	0	402
	Pelata/Selar	704	68	0	0	237	0	0	0	18	0	0	16	0	0	1,043
	Selar Kuning/Lolong	655	409	0	0	100	0	0	0	0	0	0	0	0	0	1,164
	Selayang/Curut	177	112	0	0	272	0	40	0	0	0	0	0	0	0	601
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	220	0	0	0	121	0	2	0	0	0	1	0	0	0	344
35	Bilis/Bunga Air	133	0	0	0	0	0	0	0	0	0	0	0	0	0	133
	Parang-Parang	211	0	0	0	218	0	0	0	0	0	0	0	0	0	429
	Tamban	291	1,052	0	0	1,170	0	0	0	0	0	0	0	0	0	2,513
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	4	341	0	0	1,816	0	0	0	499	0	0	0	0	0	2,660
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	1,551	722	0	0	1,279	0	0	0	0	0	0	0	0	0	3,552
	Tenggiri	1,092	14	0	0	1,585	0	0	0	125	0	0	0	0	0	2,816
	Timah/Layor/Selayor	1,987	11	0	0	150	0	0	0	0	0	0	0	0	0	2,148
38	Pari	2,396	0	0	0	211	0	70	0	141	0	22	0	0	0	2,840
	Yu	1,305	2	0	0	1,154	0	15	0	127	0	0	0	0	0	2,603
39	Ikan Baja	28,383	0	0	0	137	0	186	0	0	816	0	0	0	0	29,522
	Ikan Campur	19,337	695	0	0	6,458	0	495	0	216	1,508	496	59	0	0	29,264
	Jebong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Ketam	234	0	0	0	257	0	7	317	0	0	3	0	0	0	818
45	Udang Karang/Lobok	79	0	0	0	0	0	0	0	0	0	0	0	0	0	79
	Udang Putih	2,408	0	0	0	3,805	0	90	0	0	36	0	0	0	3	6,342
	Udang Minyak	109	0	0	0	0	0	0	0	0	0	0	0	0	0	109
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	807	0	0	0	0	0	0	0	0	341	0	0	0	0	1,148
	Udang Harimau	37	0	0	0	0	0	0	0	0	0	0	0	0	0	37
	Lain-Lain Jenis Udang	8,062	0	0	0	0	0	0	0	0	1,280	0	0	0	0	9,342
	Udang Baring	0	0	0	0	157	0	61	0	0	0	0	0	0	18	236
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	Sotong Katak	641	0	0	0	0	0	0	0	0	0	0	0	0	0	641
	Sotong Biasa	3,007	41	0	0	0	0	0	0	0	0	0	0	0	7	3,055
76	Ubur-Ubur	15	0	0	0	1	0	34	0	0	1,691	239	0	0	711	2,691
	Jumlah Tan M./Total Tonnes	93,297	3,739	0	0	26,073	0	1,077	317	3,022	5,703	821	144	0	739	134,932

JADUAL (TABLE) 4.6.5.

LABUAN
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2000
(Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Nets		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap- Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/ Scoop Net	Memungut Siput Shellfish Collection	Rampaian Miscellan eous	Jumlah (Tan Metrik) Total (Tonnes)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy				Belat- Belat Stationary	Bubu Portable							
24	Kebasi/Selangat	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	Puput/B.Mata/Tirok	13	0	0	0	14	0	0	0	0	0	0	0	0	0	27
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Lidah	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
33	Sebelah	58	0	0	0	18	0	0	1	0	0	0	0	0	0	77
	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Biji Nangka	53	0	0	0	0	0	0	0	0	0	0	0	0	0	53
	Daun Baharu	17	0	0	0	17	0	1	0	5	0	0	0	0	0	40
	Delah/Pinang-Pinang	16	0	0	0	20	0	1	2	88	0	0	0	0	0	127
	Duri/Pulutan/Utik	35	0	0	0	23	0	2	0	0	0	0	0	0	0	60
	Dengkis/Debam	11	0	0	0	36	0	1	1	6	0	0	0	0	0	55
	Gelama/Tengkerong/Selampai	76	0	0	0	0	0	0	0	0	0	0	0	0	0	76
	Gerut-Gerut	4	0	0	0	8	0	1	1	33	0	0	0	0	0	47
	Jenahak	19	0	0	0	0	0	0	2	53	0	0	0	0	0	74
	Kaci	37	0	0	0	3	0	1	1	79	0	0	0	0	0	121
	Kerapu	58	0	0	0	11	0	1	3	148	0	0	0	0	0	221
	Kerisi	174	0	0	0	0	0	0	0	15	0	0	0	0	0	189
	Kerisi Bali	84	0	0	0	0	0	0	0	167	0	0	0	0	0	251
	Kikek	32	0	0	0	14	0	1	0	0	0	0	0	0	0	47
	Malong	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	Merah	97	0	0	0	1	0	0	3	173	0	0	0	0	0	274
	Mengkerong/Canor/Ubi-Ubi	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	Remong/Kunyt-Kunyt/Tanda	62	0	0	0	11	0	0	1	57	0	0	0	0	0	131
	Semilang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	11	0	0	0	4	0	1	0	0	0	0	0	0	0	16
	Puntong Damar/Bulus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Pasir-Pasir/Timun-Timun	7	0	0	0	6	0	1	1	0	0	0	0	0	0	15
	Alu-Alu/Kacang-Kacang	34	21	0	0	14	5	1	0	0	0	0	0	0	0	75
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	40	39	0	0	0	37	0	0	0	0	0	0	0	0	116

Samb.Dari Jadual 4.6.5
(Cont' d From Table 4.6.5.)

	Belanak/Kedera	0	0	0	0	8	0	1	1	0	0	0	0	0	0	10
	Cermin/Sagai/Cupak	128	96	0	0	29	0	1	3	133	0	0	0	0	0	390
	Cincaru	33	9	0	0	41	0	0	0	0	0	0	0	0	0	83
	Demudok/Rambai	46	0	0	0	6	0	1	0	0	0	0	0	0	0	53
	Kurau/Senangin/Senohong	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	Pelata/Selar	110	52	0	0	6	10	1	0	0	0	0	0	0	0	179
	Selar Kuning/Lolong	93	11	0	0	0	11	0	0	0	0	0	0	0	0	115
	Selayang/Curut	94	89	0	0	0	15	0	0	0	0	0	0	0	0	198
	Pisang-Pisang	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Talang	1	0	0	0	17	0	0	0	0	0	0	0	0	0	18
35	Bilis/Bunga Air	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
	Parang-Parang	7	0	0	0	7	0	0	0	0	0	0	0	0	0	14
	Tamban	0	120	0	0	1	22	0	0	0	0	0	0	0	0	143
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	9	6,338	0	0	45	0	0	0	0	0	0	0	0	0	6,392
	Layaran/Mersuji	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
37	Kembong/Temenong/Pelaling	98	315	0	0	78	21	0	0	76	0	0	0	0	0	588
	Tenggiri	50	18	0	0	25	0	0	0	74	0	0	0	0	0	167
	Timah/Layor/Selayor	4	0	0	0	3	0	0	0	0	0	0	0	0	0	7
38	Pari	80	0	0	0	1	0	0	0	1	0	0	0	0	0	82
	Yu	66	0	0	0	9	0	0	0	12	0	0	0	0	0	87
39	Ikan Baja	1,639	90	0	0	0	0	0	0	0	0	0	0	0	0	1,729
	Ikan Campur	658	51	0	0	36	1	2	7	73	0	0	0	0	0	828
	Jebong	45	0	0	0	6	0	0	1	0	0	0	0	0	0	52
42	Ketam	30	0	0	0	1	0	0	0	0	0	0	0	0	0	31
45	Udang Karang/Lobok	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
	Udang Putih	98	0	0	0	0	0	0	0	0	0	0	0	0	0	98
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Harimau	65	0	0	0	0	0	0	0	0	0	0	0	0	0	65
	Lain-Lain Jenis Udang	220	0	0	0	0	0	0	0	0	0	0	0	0	0	220
	Udang Baring	0	0	0	7	0	0	0	0	0	0	0	0	4	0	11
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	105	0	0	0	0	0	0	0	0	0	0	0	0	0	105
	Sotong Biasa	118	16	0	0	0	0	0	0	0	0	0	0	0	0	134
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	4,842	7,265	0	14	528	122	18	28	1,193	0	0	0	4	0	14,014

JADUAL (TABLE) 4.6.6

SABAH
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS IKAN, 2000
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2000
(Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

ISSCAAP GROUP NO.	Spesis Species	Pukat Tunda Trawl Net	Pukat-Pukat Tarik Seine Nets		Lain Pukat Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap- Perangkap Traps		Pancing Hook and Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/ Scoop Net	Memungut Siput Shellfish Collection	Rampaian Miscellan eous	Jumlah (Tan Metrik) Total (Tonnes)
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Billis Purse Seine- Anchovy				Belat- Belat Stationary	Bubu Portable							
24	Kebasi/Selangat	563	1	0	0	175	0	44	14	2	0	0	0	0	0	799
	Puput/B.Mata/Tirok	2,662	0	0	0	4	0	0	0	0	0	0	0	0	0	2,666
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	296	0	32	71	1,028	0	0	0	0	3	1,430
31	Lidah	219	0	0	0	0	0	0	0	0	0	0	0	0	0	219
33	Sebelah	511	0	0	0	11	0	48	0	0	0	0	0	0	0	570
	Bayan	208	0	0	178	29	0	4	62	1,494	0	0	0	0	32	2,007
	Biji Nangka	466	0	0	0	0	0	0	9	0	0	0	0	0	0	475
	Daun Baharu	113	0	0	0	63	0	0	0	0	0	0	0	0	26	202
	Delah/Pinang-Pinang	0	0	0	0	7	0	0	14	35	0	0	0	0	349	405
	Duri/Pulutan/Utik	1,340	1	0	0	900	0	100	0	770	0	0	0	0	0	3,111
	Dengkis/Debam	291	0	0	65	131	5	59	118	8	0	0	0	0	30	707
	Gelama/Tengkerong/Selampai	1,532	0	0	0	450	0	81	0	764	0	0	0	0	57	2,884
	Gerut-Gerut	293	0	0	0	174	0	21	0	81	0	0	0	0	0	569
	Jenahak	316	0	0	0	707	0	1	183	1,470	0	0	0	0	94	2,771
	Kaci	43	0	0	0	6	0	0	15	22	0	0	0	0	0	86
	Kerapu	515	0	0	0	455	0	52	161	4,982	0	0	0	0	76	6,241
	Kerisi	7,077	0	0	0	35	0	0	15	170	0	0	0	0	0	7,297
	Kerisi Bali	340	0	0	0	330	0	0	17	1,160	0	0	0	0	0	1,847
	Kikek	601	0	0	0	115	103	29	0	0	0	0	0	0	0	848
	Malong	1,068	0	0	0	0	0	0	0	323	0	0	0	0	0	1,391
	Merah	385	0	0	0	884	14	10	347	2,013	0	0	0	0	18	3,671
	Mengkerong/Canor/Ubi-Ubi	4,339	0	0	0	0	0	0	0	0	0	0	0	0	0	4,339
	Remong/Kunyit-Kunyit/Tanda	149	0	0	0	41	0	26	70	1,135	0	0	0	0	0	1,421
	Semilang	0	1	0	0	410	0	36	63	195	0	0	0	0	0	705
	Shrumbu/Lemah	19	0	0	0	13	0	0	0	0	0	0	0	0	0	32
	Puntong Damar/Bulus	211	3	0	0	53	0	0	0	20	0	0	0	0	0	267
	Pasir-Pasir/Timun-Timun	32	0	0	0	0	0	0	0	0	0	0	0	0	0	32
	Alu-Alu/Kacang-Kacang	2,210	132	0	0	57	1,097	65	0	1,394	0	0	0	0	76	5,031
34	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	284	19	0	0	540	103	32	0	0	0	0	0	0	0	978

Samb.Dari Jadual 4.6.6
(Cont' d From Table 4.6.6.)

	Belanak/Kedera	0	10	0	0	1,024	6	49	0	0	0	0	0	0	72	1,161
	Cermin/Sagai/Cupak	250	0	0	23	148	352	0	13	796	0	0	0	0	0	1,582
	Cincaru	1,027	4,620	0	11	55	524	0	0	138	0	0	0	0	73	6,448
	Demudok/Rambai	1,960	222	0	4	652	388	29	18	2,268	0	0	0	0	284	5,825
	Kurau/Senangin/Senohong	1	0	0	0	1,588	0	38	0	261	0	0	0	0	0	1,888
	Pelata/Selar	495	3,268	0	5	33	712	0	0	106	0	0	0	0	279	4,898
	Selar Kuning/Lolong	586	3	0	0	19	108	0	0	722	0	0	0	0	0	1,438
	Selayang/Curut	3,372	10,004	0	0	0	1,463	0	0	20	0	0	0	0	0	14,859
	Pisang-Pisang	0	0	0	0	48	0	1	1	17	0	0	0	0	0	67
	Talang	504	5	0	0	805	924	52	0	68	0	0	0	0	0	2,358
35	Bilis/Bunga Air	104	26	0	0	0	2,826	37	0	0	0	0	0	0	20	3,013
	Parang-Parang	425	1	0	0	8	0	0	0	0	0	0	0	0	0	434
	Tamban	0	11,370	0	28	15	1,051	36	0	0	0	0	0	0	0	12,500
	Bulan-Bulan	65	2	0	0	9	0	25	0	0	0	0	0	0	0	101
36	Aya/Kayu/Tongkol	12	8,513	0	540	870	0	0	0	891	0	0	0	0	0	10,826
	Layaran/Mersuji	0	0	0	0	85	0	0	0	51	0	0	0	0	0	136
37	Kembong/Temenong/Pelaling	3,336	7,736	0	74	92	647	40	0	674	0	0	0	0	33	12,632
	Tenggiri	1,160	28	0	1	1,416	5	0	0	1,675	0	0	0	0	3	4,288
	Timah/Layor/Selayor	2,453	2,305	0	0	35	168	1	0	698	0	0	0	0	3	5,663
38	Pari	1,538	0	0	0	172	0	74	0	500	0	0	0	0	17	2,301
	Yu	925	0	0	0	477	0	0	0	370	0	0	0	0	25	1,797
39	Ikan Baja	21,795	332	0	0	0	0	0	0	0	0	0	0	0	0	22,127
	Ikan Campur	4,082	115	0	65	462	258	81	14	284	0	0	0	0	90	5,451
	Jebong	316	0	0	0	12	0	0	9	21	0	0	0	0	0	358
42	Ketam	1,668	0	0	0	386	0	101	107	0	0	0	0	0	2,323	4,585
45	Udang Karang/Lobok	367	0	0	0	11	0	0	0	0	0	0	0	0	9	387
	Udang Putih	2,044	0	0	59	2,458	0	0	0	0	0	1	0	0	376	4,938
	Udang Minyak	572	0	0	0	11	0	0	0	0	0	0	0	0	0	583
	Udang Merah Ros	660	0	0	0	16	0	0	0	0	0	0	0	0	0	676
	Udang Kulit Keras	458	0	0	0	1	0	0	0	0	0	0	0	0	48	507
	Udang Harimau	374	0	0	0	125	0	8	0	0	0	0	0	0	0	507
	Lain-Lain Jenis Udang	2,743	0	0	0	511	0	79	0	0	0	0	0	0	338	3,671
	Udang Baring	0	0	0	0	0	54	0	0	0	0	0	0	0	206	260
56	Siput/Kepah/Kupang/Tiram	533	0	0	0	0	0	0	0	0	0	0	0	252	272	1,057
57	Sotong Kereta	245	0	0	0	0	72	0	0	26	0	0	0	0	8	351
	Sotong Katak	2,409	7	0	0	0	294	0	0	0	0	0	0	0	22	2,732
	Sotong Biasa	5,932	732	0	30	0	475	71	0	32	0	0	0	0	0	7,272
76	Ubur-Ubur	38	0	0	0	0	0	0	0	0	0	0	0	1	120	159
	Jumlah Tan M./Total Tonnes	88,236	49,456	0	1,083	17,430	11,649	1,362	1,321	26,684	0	1	0	253	5,382	202,857

JADUAL (TABLE) 4.7

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN SPESIS IKAN, 2000
 FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 2000

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Efforts	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	<i>Cumulative no. of Fishing Units</i>	58,122	12,148	25,028	10,423	8,368	2,165
	<i>Cumulative no. of Trips</i>	763,977	200,713	418,937	98,213	40,463	5,661
	<i>Cumulative no. of Days</i>	1,000,016	191,096	430,315	172,894	160,838	44,873
	<i>Cumulative no. of Hauls</i>	3,222,101	461,268	1,213,333	819,529	575,302	152,679
	<i>Spesis/Species</i>	<i>Tan Metrik /Tonnes</i>					
24	Kebasi Selangat	541	17	141	232	147	4
	Puput/B.Mata/Tirok	3,484	20	777	1,081	1,491	115
	Terubok	8	0	6	1	1	0
25	Siakap	73	1	36	31	5	0
31	Lidah	1,913	60	706	495	544	108
	Sebelah	634	23	113	247	207	44
33	Bayan	24	3	4	6	7	4
	Biji Nangka	6,877	19	670	1,569	3,370	1,249
	Daun Baharu	132	5	23	60	32	12
	Delah/Pinang-Pinang	31	0	1	17	9	4
	Duri/Pulutan/Utik	3,141	54	888	1,275	643	281
	Dengkis/Debam	218	0	14	100	84	20
	Gelama/Tengkerong/Selampai	8,171	355	3,319	2,548	1,489	460
	Gerut-Gerut	388	2	66	151	139	30
	Jenahak	283	0	51	82	106	44
	Kaci	524	1	16	113	238	156
	Kerapu	2,147	6	232	808	795	306
	Kerisi	17,256	64	1,586	5,695	7,056	2,855
	kerisi Bali	2,243	0	274	332	906	731
	Kikek	890	78	298	304	133	77
	Malong	1,151	23	577	265	196	90
	Merah	861	3	62	179	349	268
	Mengkerong/conor/Ubi-Ubi	13,209	5	364	1,751	7,455	3,634
	Remong/Kunyit-Kunyit/Tanda	1,541	5	193	408	622	313
	Semilang	271	2	154	68	35	12
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	1,154	48	209	325	404	168
	Pasir-Pasir/Timun-Timun	791	12	114	236	333	96
34	Alu-Alu/Kacang-Kacang	1,585	9	265	519	577	215
	Aruan Tasik	301	0	18	119	126	38
	Bawal	3,899	48	1,183	1,842	709	117

Samb.Dari Jadual 4.7
(Cont'd From Table 4.7)

	Belanak/Kedera	625	26	288	291	20	0
	Cermin/Sagai/Cupak	1,349	10	245	476	440	178
	Cincaru	3,369	5	225	1,457	1,328	354
	Demuduk/Rambai	601	0	92	152	271	86
	Kurau/Senangin/Senohong	560	5	269	229	55	2
	Pelata/Selar	4,403	25	177	1,401	2,055	745
	Selar Kuning/Lolong	8,368	36	449	2,780	3,525	1,578
	Selayang/Curut	2,787	0	5	579	1,470	733
	Pisang-Pisang	13	0	3	1	9	0
	Talang	265	3	86	141	31	4
35	Bitis/Bunga Air	659	4	369	221	52	13
	Parang-Parang	1,950	29	529	745	475	172
	Tamban	940	10	288	479	142	21
	Bulan-Bulan	31	0	7	17	7	0
36	Aya/Kayu/Tongkol	138	0	2	56	62	18
	Layaran/Mersuji	6	1	0	0	5	0
37	Kembong/Temenong/Pelaling	22,072	332	8,431	7,610	4,713	986
	Tenggiri	3,689	55	1,685	922	747	280
	Timah/layar/Selayor	2,765	79	864	885	683	254
38	Pari	8,641	489	1,726	2,711	2,863	852
	Yu	2,610	76	482	910	888	254
39	Ikan Baja	265,731	11,015	55,895	87,260	84,357	27,204
	Ikan Campur	21,468	877	3,826	5,057	6,792	4,916
	Jebong	711	0	15	140	300	256
42	Ketam	3,862	501	1,255	1,217	739	150
45	Udang Karang/Lobok	539	24	44	206	192	73
	Udang Putih	1,919	592	691	399	216	21
	Udang Minyak	5,465	599	4,442	409	15	0
	Udang Merah Ros	917	698	77	134	8	0
	Udang Kulit Keras	1,712	266	1,348	88	5	5
	Udang Harimau	447	52	188	117	79	11
	Lain-lain Jenis Udang	19,001	3,913	10,423	3,512	1,016	137
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	41	7	3	1	23	7
57	Sotong Kereta	1,169	136	334	446	212	41
	Sotong Katak	20,562	1,244	5,591	6,429	5,541	1,757
	Sotong Biasa	40,564	1,082	9,221	13,065	13,072	4,124
	Ubur-Ubur	314	2	302	10	0	0
	Jumlah Tan.MJ/Total Tonnes	524,004	23,056	122,237	161,412	160,616	56,683

JADUAL (TABLE) 4.7.1

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN SPESIS IKAN, 2000
 FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 2000

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Efforts	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	<i>Cumulative no. of Fishing Units</i>	44,531	9,426	20,995	7,296	5,793	1,021
	<i>Cumulative no. of Trips</i>	647,489	161,985	365,789	82,989	33,420	3,306
	<i>Cumulative no. of Days</i>	775,527	152,363	373,544	117,047	111,281	21,292
	<i>Cumulative no. of Hauls</i>	2,196,620	350,922	999,413	448,883	333,933	63,469
	Spesis/Species	Tan Metrik /Tonnes					
24	Kebasi Selangat	541	17	141	232	147	4
	Puput/B.Mata/Tirok	3,464	20	774	1,073	1,485	112
	Terubok	8	0	6	1	1	0
25	Siakap	67	1	33	28	5	0
31	Lidah	1,673	32	617	418	507	99
	Sebelah	299	9	46	123	109	12
33	Bayan	0	0	0	0	0	0
	Biji Nangka	5,059	1	455	1,033	2,636	934
	Daun Baharu	24	0	4	16	4	0
	Delah/Pinang-Pinang	16	0	0	16	0	0
	Duri/Pulutan/Utik	1,844	22	693	845	226	58
	Dengkis/Debam	93	0	9	48	34	2
	Gelama/Tengkerong/Selampai	6,162	235	2,909	1,703	956	359
	Gerut-Gerut	327	2	54	122	123	26
	Jeriahak	250	0	51	79	88	32
	Kaci	31	0	1	15	14	1
	Kerapu	1,291	3	166	523	471	128
	Kerisi	8,903	9	366	2,858	4,174	1,496
	Kerisi Bali	144	0	9	53	75	7
	Kikek	66	0	16	42	8	0
	Malong	1,018	6	555	222	161	74
	Merah	135	2	26	34	44	29
	Mengkerong/conor/Ubi-Ubi	9,514	1	294	1,017	5,459	2,743
	Remong/Kunyit-Kunyit/Tanda	219	0	27	68	119	5
	Semilang	246	2	150	58	29	7
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	682	23	101	123	291	144
	Pasir-Pasir/Timun-Timun	76	0	0	3	73	0
34	Alu-Alu/Kacang-Kacang	579	1	199	215	140	24
	Aruan Tasik	126	0	14	59	49	4
	Bawal	3,369	23	1,081	1,647	562	56

Samb.Dari Jadual 4.7.1
(Cont'd From Table 4.7.1)

	Belanak/Kedera	619	26	283	290	20	0
	Cermin/Sagai/Cupak	381	0	129	148	101	3
	Cincaru	2,045	3	198	982	755	107
	Demuduk/Rambai	398	0	86	90	180	42
	Kurau/Senangin/Senohong	547	2	263	225	55	2
	Pelata/Selar	2,099	0	102	769	974	254
	Selar Kuning/Lolong	1,726	0	100	460	903	263
	Selayang/Curut	1,002	0	3	323	526	150
	Pisang-Pisang	12	0	2	1	9	0
	Talang	175	1	67	87	18	2
35	Billis/Bunga Air	559	4	368	171	16	0
	Parang-Parang	1,126	4	409	391	231	91
	Tamban	918	4	281	478	140	15
	Bulan-Bulan	30	0	6	17	7	0
36	Aya/Kayu/Tongkol	93	0	2	45	34	12
	Layaran/Mersuji	5	0	0	0	5	0
37	Kembong/Temenong/Pelaling	20,166	328	8,374	7,042	3,842	580
	Tenggiri	2,771	48	1,633	549	407	134
	Timah/layor/Selayor	1,881	46	650	588	445	152
38	Pari	3,813	198	788	782	1,612	433
	Yu	1,047	32	333	257	380	45
39	Ikan Baja	172,148	8,211	49,979	54,018	48,126	11,814
	Ikan Campur	8,051	644	2,451	1,154	1,921	1,881
	Jebong	119	0	9	45	48	17
42	Ketam	2,712	359	959	814	495	85
45	Udang Karang/Lobok	38	15	8	5	8	2
	Udang Putih	1,554	476	560	303	198	17
	Udang Minyak	4,984	371	4,250	352	11	0
	Udang Merah Ros	916	698	77	133	8	0
	Udang Kulit Keras	1,447	219	1,174	44	5	5
	Udang Harimau	300	33	139	67	51	10
	Lain-lain Jenis Udang	15,338	3,181	9,497	2,235	377	48
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	7	7	0	0	0	0
57	Sotong Kereta	749	122	253	248	101	25
	Sotong Katak	12,056	928	4,238	3,018	3,052	820
	Sotong Biasa	27,746	909	7,779	8,383	8,430	2,245
	Ubur-Ubur	314	2	302	10	0	0
	Jumlah Tan.M./Total Tonnes	336,118	17,280	104,549	97,198	91,481	25,610

JADUAL (TABLE) 4.7.2

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN SPESIS IKAN, 2000
 FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 2000

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Efforts	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	Cumulative no. of Fishing Units	13,591	2,722	4,033	3,127	2,575	1,134
	Cumulative no. of Trips	116,488	38,728	53,148	15,224	7,043	2,345
	Cumulative no. of Days	224,488	38,732	56,771	55,847	49,557	23,581
	Cumulative no. of Hauls	1,025,481	110,336	213,920	370,546	241,369	89,210
	Spesis/Species	Tan Metrik /Tonnes					
24	Kebasi Selangat	0	0	0	0	0	0
	Puput/B. Mata/Tirok	20	0	3	8	6	3
	Terubok	0	0	0	0	0	0
25	Siakap	6	0	3	3	0	0
31	Lidah	240	28	89	77	37	9
	Sebelah	335	14	67	124	98	32
33	Bayan	24	3	4	6	7	4
	Biji Nangka	1,818	18	215	536	734	315
	Daun Baharu	108	5	19	44	28	12
	Delah/Pinang-Pinang	15	0	1	1	9	4
	Duri/Pulutan/Utik	1,297	32	195	430	417	223
	Dengkis/Debam	125	0	5	52	50	18
	Gelama/Tengkerong/Selampai	2,009	120	410	845	533	101
	Gerut-Gerut	61	0	12	29	16	4
	Jenahak	33	0	0	3	18	12
	Kaci	493	1	15	98	224	155
	Kerapu	856	3	66	285	324	178
	Kerisi	8,353	55	1,220	2,837	2,882	1,359
	Kerisi Bali	2,099	0	265	279	831	724
	Kikek	824	78	282	262	125	77
	Malong	133	17	22	43	35	16
	Merah	726	1	36	145	305	239
	Mengkerong/conor/Ubi-Ubi	3,695	4	70	734	1,996	891
	Remong/Kunyit-Kunyit/Tanda	1,322	5	166	340	503	308
	Semilang	25	0	4	10	6	5
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	472	25	108	202	113	24
	Pasir-Pasir/Timun-Timun	715	12	114	233	260	96
34	Alu-Alu/Kacang-Kacang	1,006	8	66	304	437	191
	Aruan Tasik	175	0	4	60	77	34
	Bawal	530	25	102	195	147	61

Samb.Dari Jadual 4.7.2
(Cont'd From Table 4.7.2)

	Belanak/Kedera	6	0	5	1	0	0
	Cermin/Sagai/Cupak	968	10	116	328	339	175
	Cencaru	1,324	2	27	475	573	247
	Demuduk/Rambai	203	0	6	62	91	44
	Kurau/Senangin/Senohong	13	3	6	4	0	0
	Pelata/Selar	2,304	25	75	632	1,081	491
	Selar Kuning/Lolong	6,642	36	349	2,320	2,622	1,315
	Selayang/Curut	1,785	0	2	256	944	583
	Pisang-Pisang	1	0	1	0	0	0
	Talang	90	2	19	54	13	2
35	Bilis/Bunga Air	100	0	1	50	36	13
	Parang-Parang	824	25	120	354	244	81
	Tamban	22	6	7	1	2	6
	Bulan-Bulan	1	0	1	0	0	0
36	Aya/Kayu/Tongkol	45	0	0	11	28	6
	Layaran/Mersuji	1	1	0	0	0	0
37	Kembong/Temenong/Pelaling	1,906	4	57	568	871	406
	Tenggiri	918	7	52	373	340	146
	Timah/layor/Selayor	884	33	214	297	238	102
38	Pari	4,828	291	938	1,929	1,251	419
	Yu	1,563	44	149	653	508	209
39	Ikan Baja	93,583	2,804	5,916	33,242	36,231	15,390
	Ikan Campur	13,417	233	1,375	3,903	4,871	3,035
	Jebong	592	0	6	95	252	239
42	Ketam	1,150	142	296	403	244	65
45	Udang Karang/Lobok	501	9	36	201	184	71
	Udang Putih	365	116	131	96	18	4
	Udang Minyak	481	228	192	57	4	0
	Udang Merah Ros	1	0	0	1	0	0
	Udang Kulit Keras	265	47	174	44	0	0
	Udang Harimau	147	19	49	50	28	1
	Lain-lain Jenis Udang	3,663	732	926	1,277	639	89
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	34	0	3	1	23	7
57	Sotong Kereta	420	14	81	198	111	16
	Sotong Katak	8,506	316	1,353	3,411	2,489	937
	Sotong Biasa	12,818	173	1,442	4,682	4,642	1,879
	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan.M./Total Tonnes	187,886	5,776	17,688	64,214	69,135	31,073

JADUAL (TABLE) 4.8

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT IKAN MENGIKUT KELAS MUATAN DAN SPESIS IKAN, 2000
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINERS BY TONNAGE CLASS AND SPECIES, 2000

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Efforts	Jumlah/ Total	Kelas Muatan/Tonnage Class				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	<i>Cumulative no. of Fishing Units</i>	5,820	16	1,117	978	2,446	1,263
	<i>Cumulative no. of Trips</i>	55,515	291	13,649	10,407	26,763	4,405
	<i>Cumulative no. of Days</i>	86,678	291	14,510	12,700	35,741	23,436
	<i>Cumulative no. of Hauls</i>	262,508	773	39,741	45,170	96,892	79,932
	Spesis/Species	Tan Metrik /Tonnes					
24	Kebasi Selangat	5	0	0	5	0	0
	Puput/B. Mata/Tirok	8	0	0	0	8	0
	Terubok	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	1	0	0	0	1	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	17	0	0	0	8	9
	Delah/Pinang-Pinang	25	0	19	0	6	0
	Duri/Pulutan/Utik	1,066	0	600	0	446	20
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	114	0	0	6	101	7
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	3	0	0	0	0	3
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	12	0	0	10	2	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	232	0	4	100	84	44
	Malong	0	0	0	0	0	0
	Merah	3	0	0	0	0	3
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	36	0	0	36	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	210	0	108	19	52	31
	Aruan Tasik	3	0	0	2	1	0
	Bawal	570	11	242	136	31	150

Samb.Dari Jadual 4.8.
(Cont'd From Table 4.8.)

	Belanak/Kedera	13	0	13	0	0	0
	Cermin/Sagai/Cupak	434	0	293	61	62	18
	Cencaru	4,361	0	516	416	1,511	1,918
	Demuduk/Rambai	443	0	85	154	27	177
	Kurau/Senangin/Senohong	86	0	0	0	86	0
	Pelata/Selar	12,898	8	1,119	1,531	7,551	2,689
	Selar Kuning/Lolong	30,647	5	4,075	5,131	16,020	5,416
	Selayang/Curut	64,997	2	5,580	7,628	16,839	34,948
	Pisang-Pisang	469	0	0	0	414	55
	Talang	82	0	15	31	33	3
35	Bilis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	27	0	2	12	13	0
	Tamban	15,854	0	2,163	2,228	9,814	1,649
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	33,180	32	5,605	4,045	9,515	13,983
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	23,713	3	1,343	4,927	14,647	2,793
	Tenggiri	436	0	161	101	73	101
	Timah/layor/Selayor	285	0	89	113	44	39
38	Pari	4	0	4	0	0	0
	Yu	42	0	6	31	5	0
39	Ikan Baja	5,885	123	684	264	2,222	2,592
	Ikan Campur	2,390	0	270	275	929	916
	Jebong	7	0	0	7	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-lain Jenis Udang	100	0	0	45	55	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	12	0	0	0	12	0
	Sotong Biasa	1,248	0	312	484	315	137
	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan.M./Total Tonnes	199,918	184	23,308	27,798	80,927	67,701

JADUAL (TABLE) 4.8.1

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT IKAN MENGIKUT KELAS MUATAN DAN SPESIS IKAN, 2000
FISHING EFFORTS END LANDINGS OF FISH PURSE SEINERS BY TONNAGE CLASS AND SPECIES, 2000

ISSCAAP GROUP NO.	Usaha Menangkap Ikan <i>Fishing Efforts</i>	Jumlah/ <i>Total</i>	Kelas Muatan/ <i>Tonnage Class</i>				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	<i>Cumulative no. of Fishing Units</i>	2,111	2	9	284	1,414	402
	<i>Cumulative no. of Trips</i>	21,669	32	137	2,869	16,748	1,873
	<i>Cumulative no. of Days</i>	31,247	32	137	2,989	20,316	7,773
	<i>Cumulative no. of Hauls</i>	49,955	124	555	6,696	35,930	6,650
	<i>Spesis/Species</i>	<i>Tan Metrik /Tonnes</i>					
24	Kebasi Selangat	5	0	0	5	0	0
	Puput/B.Mata/Tirok	8	0	0	0	8	0
	Terubok	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	17	0	0	0	8	9
	Delah/Pinang-Pinang	0	0	0	0	0	0
	Duri/Pulutan/Utik	0	0	0	0	0	0
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	114	0	0	6	101	7
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	3	0	0	0	0	3
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	93	0	0	0	84	9
	Malong	0	0	0	0	0	0
	Merah	0	0	0	0	0	0
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	4	0	0	0	4	0
	Aruan Tasik	0	0	0	0	0	0
	Bawal	0	0	0	0	0	0

Samb.Dari Jadual 4.8.1
(Cont'd From Table 4.8.1)

	Belanak/Kedera	13	0	13	0	0	0
	Cermin/Sagai/Cupak	27	0	0	0	27	0
	Cencaru	1,342	0	0	8	652	682
	Demuduk/Rambai	89	0	0	0	0	89
	Kurau/Senangin/Senohong	86	0	0	0	86	0
	Pelata/Selar	3,062	0	0	2	1,730	1,330
	Selar Kuning/Lolong	1,707	0	0	0	785	922
	Selayang/Curut	4,115	0	0	0	1,082	3,033
	Pisang-Pisang	434	0	0	0	380	54
	Talang	29	0	0	0	28	1
35	Billis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	10	0	0	0	10	0
	Tamban	2,343	0	0	262	1,357	724
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	9,857	0	0	37	6,005	3,815
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	16,034	0	1	2,872	11,401	1,760
	Tenggiri	89	0	0	0	47	42
	Timah/layor/Selayor	7	0	0	0	0	7
38	Pari	0	0	0	0	0	0
	Yu	0	0	0	0	0	0
39	Ikan Baja	4,163	123	684	242	1,400	1,714
	Ikan Campur	480	0	0	56	132	292
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-lain Jenis Udang	100	0	0	45	55	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	12	0	0	0	12	0
	Sotong Biasa	145	0	0	0	84	61
	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan.M./Total Tonnes	44,388	123	698	3,535	25,478	14,554

JADUAL (TABLE) 4.8.2

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT IKAN MENGIKUT KELAS MUATAN DAN SPESIS IKAN, 2000
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINERS BY TONNAGE CLASS AND SPECIES, 2000

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Efforts	Jumlah/ Total	Kelas Muatan/Tonnage Class				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	<i>Cumulative no. of Fishing Units</i>	3,709	14	1,108	694	1,032	861
	<i>Cumulative no. of Trips</i>	33,856	259	13,512	7,538	10,015	2,532
	<i>Cumulative no. of Days</i>	55,431	259	14,373	9,711	15,425	15,663
	<i>Cumulative no. of Hauls</i>	212,553	649	39,186	38,474	60,962	73,282
	Spesis/Species	Tan Metrik /Tonnes					
24	Kebasi Selangat	0	0	0	0	0	0
	Puput/B.Mata/Tirok	0	0	0	0	0	0
	Terubok	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	1	0	0	0	1	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	0	0
	Delah/Pinang-Pinang	25	0	19	0	6	0
	Duri/Pulutan/Utik	1,066	0	600	0	446	20
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	0	0	0	0	0	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	0	0	0	0	0	0
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	12	0	0	10	2	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	139	0	4	100	0	35
	Malong	0	0	0	0	0	0
	Merah	3	0	0	0	0	3
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	36	0	0	36	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	206	0	108	19	48	31
	Aruan Tasik	3	0	0	2	1	0
	Bawal	570	11	242	136	31	150

Samb.Dari Jadual 4.8.2
(Cont'd From Table 4.8.2)

	Belanak/Kedera	0	0	0	0	0	0
	Cermin/Sagai/Cupak	407	0	293	61	35	18
	Cencaru	3,019	0	516	408	859	1,236
	Demuduk/Rambai	354	0	85	154	27	88
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	9,836	8	1,119	1,529	5,821	1,359
	Selar Kuning/Lolong	28,940	5	4,075	5,131	15,235	4,494
	Selayang/Curut	60,882	2	5,580	7,628	15,757	31,915
	Pisang-Pisang	35	0	0	0	34	1
	Talang	53	0	15	31	5	2
35	Bilis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	17	0	2	12	3	0
	Tamban	13,511	0	2,163	1,966	8,457	925
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	23,323	32	5,605	4,008	3,510	10,168
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	7,679	3	1,342	2,055	3,246	1,033
	Tenggiri	347	0	161	101	26	59
	Timah/layor/Selayor	278	0	89	113	44	32
38	Pari	4	0	4	0	0	0
	Yu	42	0	6	31	5	0
39	Ikan Baja	1,722	0	0	22	822	878
	Ikan Campur	1,910	0	270	219	797	624
	Jebong	7	0	0	7	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-lain Jenis Udang	0	0	0	0	0	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	1,103	0	312	484	231	76
	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan.M./Total Tonnes	155,530	61	22,610	24,263	55,449	53,147

Jadual (Table) 5.1

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN: BILANGAN TRIP MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2000
FISHING EFFORTS: NUMBER OF TRIPS BY TYPE OF GEAR AND STATE, 2000

Jenis Perkakas Type Of Gear	PukatTunda <i>Trawl Net</i>					Pukat Tarik (Seine Net)										Lain- LainTarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap - Perangkap Trap		Pancing Hook& Line	Pukat Bekul Bag Net	Pukat Rentang Barrier Net	Pukat Surang Push/Scoop Net	Memungut Siput Shellfish Collection	Rampasan Miscellaneous
						Pukat Jerut Ikan <i>Purse Seine - Fish</i>					Pukat Jerut Bilis <i>Purse Seine - Anchovy</i>								Belat Belat Stationary	Bubu Portable						
	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-89.9 GRT	70GRT &Above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-89.9 GRT	70GRT &Above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-89.9 GRT	70GRT &Above											
Pantai Barat/West Coast:																										
Perlis	11,673	6,448	1,974	1,613	663	0	0	1,853	4,806	1,636	0	0	0	0	0	0	58,907	0	0	0	0	0	10,467	0	7,020	
Kedah	91,123	23,622	10,671	7,213	402	0	0	0	1,727	87	0	0	0	0	11,063	6,671	386,522	0	351	2,863	7,988	26,116	6,953	39,428	2,726	21,997
Pulau Pinang	0	0	14,211	1,202	127	0	0	936	340	0	0	0	0	0	0	21,334	329,536	0	0	2,480	21,619	5,280	10,267	1,146	2,766	14,375
Perak	29,352	203,298	27,212	11,261	2,114	32	137	0	8,125	150	0	0	0	2,198	0	81,190	333,553	0	0	2,189	67,230	26,255	11,646	90,119	3,883	50,931
Selangor	26,045	102,520	28,231	12,131	0	0	0	80	1,750	0	0	0	0	0	0	3,452	351,362	0	1,351	19,612	48,180	25,214	6,252	20,289	13,953	874
Negeri Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	24,093	0	0	1,242	1,412	0	0	0	0	0
Melaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131,072	0	0	32	11,498	0	0	11,640	1,320	0
Johor Barat/West Johor:	3,792	29,901	690	0	0	0	0	0	0	0	0	0	0	0	0	0	362,833	0	10,700	45,766	2,066	1,483	5,157	28,042	0	16,591
Pantai Timur/East Coast:																										
Kelantan	0	13,012	1,171	375	68	0	0	207	550	1,214	0	1,127	0	0	0	0	42,651	4,889	6,455	413	20,464	0	0	0	0	7,332
Terengganu	7,153	21,672	5,116	421	37	259	12,951	6,531	4,616	819	324	1,830	336	0	0	0	48,439	2,969	0	14,017	128,687	0	0	0	0	0
Pahang	24,554	10,228	3,970	3,271	1,712	0	0	410	2,468	380	0	429	0	660	0	0	88,200	472	0	16,755	22,643	0	0	0	0	0
Johor Timuri/East Johor:	7,021	8,236	4,967	2,976	528	0	561	390	2,381	119	0	0	0	0	0	0	56,331	0	0	9,660	17,453	9,114	0	0	0	8,345

* GRT: Gross Registered Tonnage

Jadual (Table) 5.2

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN: BILANGAN HARI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2000
FISHING EFFORTS: NUMBER OF DAYS BY TYPE OF GEAR AND STATE, 2000

Jenis Perkakas Type Of Gear	PukatTunda Trawl Net					Pukat Tarik (Seine Net)										Lain- LainTarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap - Perangkap Trap		Pancing Hook& Line	Pukat Bekul Bag Net	Pukat Rintang Barrier Net	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampasan Miscellaneous
						Pukat Jerut Ikan Purse Seine - Fish					Pukat Jerut Bilis Purse Seine - Anchovy								Belat Belat Stationary	Bubu Portable						
	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70GRT &Above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70GRT &Above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70GRT &Above											
Pantai Barat/West Coast:																										
Perlis	11,051	14,203	10,890	16,574	3,724	0	0	1,853	6,836	7,253	0	0	0	0	0	0	58,907	0	0	0	0	0	0	10,467	0	7,020
Kedah	91,123	23,622	35,878	8,582	2,026	0	0	0	2,408	264	0	0	0	0	11,063	8,871	388,522	0	351	2,863	7,988	26,116	6,953	39,428	2,726	21,997
Pulau Pinang	0	0	14,211	3,584	41	0	0	1,056	340	0	0	0	0	0	0	21,334	329,536	0	0	2,480	21,619	5,280	10,287	1,146	2,766	14,375
Perak	20,352	203,298	27,240	63,190	15,501	32	137	0	9,180	256	0	0	0	2,198	0	81,190	333,553	0	0	2,189	67,230	26,255	11,646	90,119	3,883	50,931
Selangor	26,045	102,520	28,232	19,351	0	0	0	80	1,752	0	0	0	0	0	0	3,452	351,362	0	1,351	19,612	48,180	25,214	6,252	20,289	13,953	874
Negeri Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	24,093	0	0	1,242	1,412	0	0	0	0	0
Melaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131,072	0	0	32	11,498	0	0	11,640	1,320	0
Johor Barat/West Johor:	3,792	29,901	696	0	0	0	0	0	0	0	0	0	0	0	0	0	362,833	0	10,700	45,766	2,066	1,483	5,157	28,042	0	16,591
Pantai Timur/East Coast:																										
Kelantan	0	13,133	5,664	4,253	890	0	0	207	995	10,549	0	1,127	0	0	0	0	42,651	4,689	6,455	413	20,464	0	0	0	0	7,332
Terengganu	7,153	23,584	9,487	2,016	337	259	13,478	8,704	5,679	4,090	324	1,830	336	0	0	0	48,439	2,969	0	47,017	128,887	0	0	0	0	0
Pahang	24,554	10,600	17,940	23,291	17,727	0	0	410	4,558	810	0	429	0	660	0	0	88,200	472	0	16,755	22,843	0	0	0	0	0
Johor Timur/East Johor:	7,025	9,454	22,756	19,997	4,627	0	895	390	4,193	214	0	0	0	0	0	0	56,331	0	0	9,660	17,453	9,114	0	0	0	8,345

* GRT: Gross Registered Tonnage

Jadual (Table) 5.3

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN: BILANGAN KALI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2000
FISHING EFFORTS: NUMBER OF HAULS BY TYPE OF GEAR AND STATE, 2000

Jenis Perkakas <i>Type Of Gear</i>	PukatTunda <i>Trawl Net</i>					Pukat Tarik (Seine Net)										Lain-Lain Tarik Other Seine	Pukat Hanyut Drift/Gill Net	Pukat Tangguk Lift Net	Perangkap - Perangkap Trap		Pancing Hook & Line	Pukat Bakul Bag Net	Pukat Rentang Barrier Net	Pukat Surung Push/Scoop Net	Memungut Stiput Shellfish Collection	Rampalan Miscellaneous
						Pukat Jerut Ikan <i>Purse Seine - Fish</i>					Pukat Jerut Bilis <i>Purse Seine - Anchovy</i>								Belat Stationary	Bubu Portable						
	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70GRT &Above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70GRT &Above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70GRT &Above											
Pantai Barat/West Coast:																										
Perlis	22,043	56,532	21,340	30,745	7,083	0	0	3,696	9,240	6,177	0	0	0	0	0	0	98,307	0	0	0	0	0	0	20,871	0	14,048
Kedah	222,448	70,834	152,454	33,926	10,921	0	0	0	4,829	252	0	0	0	0	21,120	66,521	601,096	0	0	2,844	550	47,929	6,912	58,246	379,401	21,978
Pulau Pinang	0	0	42,511	10,887	125	0	0	2,910	752	0	0	0	0	0	0	279,276	1,266,829	0	0	3,169	24,455	10,158	13,914	1,715	2,786	33,191
Perak	45,864	564,102	101,666	193,297	45,340	124	555	0	18,924	221	0	0	0	10,523	0	167,332	1,054,661	0	0	0	1,965	51,006	11,477	116,501	2,782	33,990
Selangor	53,194	248,378	129,387	65,068	0	0	0	90	2,185	0	0	0	0	0	0	131,748	1,660,073	0	1,351	19,618	1,108,390	66,304	6,859	294,715	5,765,808	4,552
Negeri Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	661	50,503	0	0	12,415	1,408	0	0	0	0	0
Melaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124,763	0	0	118	11,498	0	0	24,480	0	0
Johor Barat/West Johor:	7,573	59,587	1,525	0	0	0	0	0	0	0	0	0	0	0	0	0	822,311	0	21,400	15,751	2,088	3,135	5,204	34,916	0	16,837
Pantai Timur/East Coast:																										
Kelantan	0	43,975	14,808	8,845	1,190	0	0	390	2,336	15,496	0	5,378	0	0	0	0	129,327	24,390	0	0	0	0	0	0	0	30,602
Terengganu	19,623	94,770	143,986	45,954	10,559	649	37,552	36,231	39,335	55,107	1,410	5,490	1,008	0	0	0	142,391	11,027	0	0	0	0	0	0	0	0
Pahang	71,502	40,885	107,094	93,985	58,257	0	0	1,182	13,572	2,435	0	1,314	0	1,792	0	0	263,390	1,416	0	0	0	0	0	0	0	0
Johor Timur/East Johor:	19,211	34,290	104,758	92,585	19,204	0	1,634	671	5,719	244	0	0	0	0	0	0	171,009	0	0	2,389	1,652	9,119	0	0	0	0

*GRT: Gross Registered Tonnage

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA PURATA IKAN DIPANTAI MENGIKUT BULAN, 2000
MONTHLY AVERAGE EX-VESSEL PRICES OF FRESH FISH, 2000
HARGA DALAM RM/KG/PRICES AT RM/KG

JADUAL (TABLE) 6.1

Spesis Species	Januari /January	Februari /February	Mac /March	April /April	Mei /May	Jun /June	Julai /July	Ogos /August	September /September	Oktober /October	November /November	Disember /December	Purata, 2000 Average, 2000
Bawal Putih	19.05	18.90	17.69	17.49	18.30	18.86	19.63	19.68	20.81	20.06	20.85	21.64	19.41
Bawal Hitam	9.14	9.46	8.77	8.75	9.06	9.11	9.22	9.32	9.70	8.95	9.53	10.05	9.26
Kerapu	11.89	12.90	12.42	11.61	12.52	12.79	12.59	12.87	13.36	12.94	12.68	13.75	12.69
Tenggiri	10.73	10.54	10.11	10.13	10.18	10.62	10.72	10.84	10.71	10.32	10.77	11.68	10.61
Jenahak	17.16	14.74	10.95	11.00	11.94	11.77	10.96	11.80	12.12	11.33	10.93	11.73	12.20
Merah	7.76	7.63	8.32	7.40	8.08	7.47	7.98	7.94	8.23	7.76	8.21	8.67	7.95
Kaci	4.53	4.19	4.15	3.82	4.00	4.39	5.05	4.66	5.16	4.66	4.94	5.15	4.56
Cermin	5.18	5.11	5.24	5.31	5.16	5.23	5.35	5.04	5.28	5.09	4.78	5.55	5.19
Gelama	2.51	2.48	2.44	2.35	2.47	2.45	2.48	2.32	2.59	2.54	2.47	2.67	2.48
Kembong	5.12	5.01	4.51	4.76	4.78	4.60	4.73	4.66	4.22	4.05	4.52	4.91	4.66
Kerisi	3.32	3.29	3.41	3.05	3.35	3.32	3.29	3.29	3.49	3.22	3.54	3.62	3.35
Selayang	1.96	2.04	2.04	1.90	2.13	2.16	2.21	1.92	2.10	1.77	1.83	2.20	2.02
Tamban	2.01	1.86	1.77	1.67	1.75	1.53	1.65	1.61	1.58	1.48	1.51	1.86	1.69
Selar/Pelata	3.51	3.43	3.14	2.75	2.98	2.74	3.15	2.83	2.92	2.70	2.78	3.06	3.00
Sotong Biasa	6.17	5.76	5.24	5.37	5.20	5.10	5.18	5.09	4.91	4.92	5.16	5.62	5.31
Aya/Tongkol	2.98	2.96	2.95	2.68	2.81	2.72	2.66	2.53	2.64	2.36	2.48	2.83	2.72
Udang Putih	27.14	25.86	23.60	22.98	23.42	23.42	24.24	24.33	24.69	24.44	23.50	25.21	24.40
Udang Harimau	30.54	30.59	28.24	28.80	27.25	28.32	29.26	29.80	30.12	30.61	29.86	30.74	29.51
Lain-Lain Udang	9.32	8.11	7.60	7.79	6.86	7.61	7.30	7.03	7.26	6.60	7.45	8.85	7.65

MALAYSIA
NILAI HARGA BORONG PENDARATAN IKAN LAUT, 2000
WHOLESALE VALUE OF MARINE FISH LANDING, 2000

JADUAL (TABLE) 7.1

Negeri/State	Gred 1 Grade1		Gred 11 Grade11		Gred 111 Grade111		Udang Prawn		Ikan Baja Manure Fish		Kerang-Kerangan Shellfish		Jumlah Total	
	Tan.metrik Tonnes	RM	Tan.Metrik Tonnes	RM	Tan.Metrik Tonnes	RM	Tan.metrik Tonnes	RM	Tan.metrik Tonnes	RM	Tan.metrik Tonnes	RM	Tan.metrik Tonnes	RM
Pantai Barat/West Coast														
Perlis	428	3,641,707	283	1,176,431	37,618	77,010,012	1,448	16,019,780	17,391	3,688,490	0	0	57,168	101,536,420
Kedah	2,151	30,754,656	407	2,849,000	42,891	162,870,779	7,614	107,817,307	21,303	9,916,726	2,369	5,012,240	76,735	319,220,708
Pulau-Pinang	752	15,549,713	172	1,159,280	14,500	60,551,913	3,832	61,736,867	15,738	7,699,414	901	1,569,763	35,895	148,266,950
Perak	3,954	65,352,057	5,461	36,687,291	90,975	399,587,284	30,967	326,271,828	82,675	39,997,998	1,240	1,044,943	215,272	868,941,401
Selangor	6,414	79,432,260	2,068	15,985,640	52,472	141,168,640	15,447	150,844,064	58,858	18,207,066	605	896,160	135,864	406,533,830
Negeri-Sembilan	85	1,542,248	30	147,661	150	575,364	61	1,745,798	0	0	0	0	326	4,011,071
Melaka	520	9,768,809	0	0	1,093	4,210,511	220	4,438,465	0	0	25	76,212	1,858	18,493,997
Johor Barat/West Johor	1,855	14,773,949	359	3,472,924	4,871	11,009,925	2,139	14,383,017	2,776	315,328	0	0	12,000	43,955,143
Jumlah Kecil/Sub.Total	16,159	220,815,399	8,780	61,478,227	244,570	856,984,428	61,728	683,257,126	198,741	79,825,022	5,140	8,599,318	535,118	1,910,959,520
Pantai Timur/East Coast														
Kelantan	640	5,696,000	547	2,434,150	53,816	148,121,156	385	4,869,831	5,495	1,021,481	34	73,424	60,917	162,216,042
Terengganu	3,815	49,210,412	2,562	21,573,643	109,526	387,663,737	1,247	20,784,268	3,465	1,155,135	0	0	120,615	480,387,195
Pahang	2,716	31,979,815	1,523	11,295,256	85,281	298,864,532	1,985	24,054,349	54,323	10,864,643	0	0	145,828	377,058,595
Johor Timur/East Johor	1,687	22,894,243	1,407	12,289,215	33,062	134,819,284	2,458	33,346,619	32,801	5,790,942	0	0	71,415	209,140,303
Jumlah Kecil/Sub.Total	8,858	109,780,470	6,039	47,592,264	281,685	969,468,709	6,075	83,055,067	96,084	18,832,201	34	73,424	398,775	1,228,802,135
Sem. Malaysia/ Jumlah/Total	25,017	330,595,869	14,819	109,070,491	526,255	1,826,453,137	67,803	766,312,193	294,825	98,657,223	5,174	8,672,742	933,893	3,139,761,655
Sarawak	6,769	61,936,350	5,856	37,045,056	75,492	195,675,264	17,293	180,037,423	29,522	3,306,464	0	0	134,932	478,000,557
Sabah	16,600	154,380,000	15,260	66,075,800	136,284	375,559,326	11,529	123,913,692	22,127	5,509,623	1,057	4,108,559	202,857	729,547,000
W.Persekutuan Labuan/ Labuan F.Territory	603	3,672,270	812	4,556,944	10,416	38,497,536	454	5,043,940	1,729	159,068	0	0	14,014	51,929,758
Jumlah Kecil/Sub.Total	23,972	219,988,620	21,928	107,677,800	222,192	609,732,126	29,276	308,995,055	53,378	8,975,155	1,057	4,108,559	351,803	1,259,477,315
Jumlah Besar/ Grand Total	48,989	550,584,489	36,747	216,748,291	748,447	2,436,185,263	97,079	1,075,307,248	348,203	107,632,378	6,231	12,781,301	1,285,696	4,399,238,970

NOTA/NOTE

- Gred 1 - Bawal Tambak, Bawal Putih, Bawal hitam, Bawal Selatan, Senangin/Kurau/Senohong, Tenggiri, Parang, Kerapu, dan Jenahak.
 (Gred 1) - Chinese Pomfret, Silver Pomfret, Black pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper
 (Gred 11) - Terubuk, Puput/Bellak Mata/Tirol, Merah, Kaci, Cermin/Sagal/Cupak, Demuduk/Rambal dan Siakap.
 (Grade 11) - Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
 (Gred 111) - Lain-Lain Ikan Termasuk Ikan Bilis, Sotong, Ketam dan Ubur-ubur
 (Gred 111) - Other Species Including Anchovy, Squids, Crabs and Jellyfish.

MALAYSIA
NILAI HARGA RUNCIT PENDARATAN IKAN LAUT, 2000
RETAIL VALUE OF MARINE FISH LANDING, 2000

JADUAL (TABLE) 7.2

Negeri/State	Gred 1 Grade1		Gred 11 Grade11		Gred 111 Grade111		Udang Prawn		Ikan aja Manure Fish		Kerang-Kerangan Shellfish		Jumlah Total	
	Tan.Metrik Tonnes	RM	Tan.Metrik Tonnes	RM	Tan.Metrik Tonnes	RM	Tan.Metrik Tonnes	RM	Tan.Metrik Tonnes	RM	Tan.Metrik Tonnes	RM	Tan.Metrik Tonnes	RM
Pantai Barat/West Coast														
Perlis	428	5,067,980	283	1,668,830	37,618	135,133,768	1,448	20,335,501	17,391	6,087,139	0	0	57,168	168,293,218
Kedah	2,151	35,028,542	407	3,418,500	42,891	212,980,814	7,614	119,780,455	21,303	12,508,076	2,369	7,645,300	76,735	391,361,687
Pulau-Pinang	752	17,568,872	172	1,326,120	14,500	77,528,053	3,832	69,336,864	15,738	8,140,038	901	2,323,977	35,895	176,223,924
Perak	3,954	76,644,416	5,461	45,257,337	90,975	509,222,880	30,967	386,233,545	82,675	53,568,579	1,240	1,805,313	215,272	1,072,732,070
Selangor	6,414	95,687,480	2,068	19,708,040	52,472	217,952,496	15,447	179,135,837	58,858	24,154,169	605	1,459,363	135,864	538,097,385
Negeri-Sembilan	85	1,792,411	30	171,912	150	744,243	61	2,058,359	0	0	0	0	326	4,766,925
Melaka	520	10,455,745	0	0	1,093	4,858,463	220	4,803,111	0	0	25	87,943	1,858	20,205,262
Johor Barat/West Johor	1,855	17,748,148	359	4,277,565	4,871	13,843,152	2,139	17,298,795	2,776	315,328	0	0	12,000	53,482,988
Jumlah Kecil/Sub.Total	16,159	259,993,594	8,780	75,828,304	244,570	1,172,263,869	61,728	798,982,467	198,741	104,773,329	5,140	13,321,896	535,118	2,425,163,459
Pantai Timur/East Coast														
Kelantan	640	6,534,400	547	3,035,850	53,816	198,777,516	385	5,434,760	5,495	1,143,220	34	98,620	60,917	215,024,366
Terengganu	3,815	55,803,604	2,562	25,331,661	109,526	493,887,971	1,247	24,823,359	3,465	1,364,759	0	0	120,615	601,211,354
Pahang	2,716	39,682,213	1,523	14,892,051	85,281	415,060,449	1,985	28,765,678	54,323	10,864,643	0	0	145,828	509,265,034
Johor Timur/East Johor	1,687	27,373,599	1,407	15,438,782	33,062	179,424,866	2,458	41,303,782	32,801	5,790,942	0	0	71,415	269,331,971
Jumlah Kecil/Sub.Total	8,858	129,393,816	6,039	58,698,344	281,685	1,287,150,802	6,075	100,327,579	96,084	19,163,564	34	98,620	398,775	1,594,832,725
Sem.Malaysia/ Jumlah/Total	25,017	389,387,410	14,819	134,526,648	526,255	2,459,414,671	67,803	899,310,046	294,825	123,936,893	5,174	13,420,516	933,893	4,019,996,184
Sarawak	6,769	82,067,356	5,856	58,882,080	75,492	316,537,956	17,293	229,945,021	29,522	3,867,382	0	0	134,932	691,299,795
Sabah	16,600	204,777,600	15,260	86,264,780	136,284	529,574,611	11,529	143,270,883	22,127	7,346,164	1,057	4,931,962	202,857	976,166,000
W.Persekutuan Labuan/ Labuan F. Territory	603	9,659,457	812	11,617,284	10,416	93,681,504	454	7,259,914	1,729	373,464	0	0	14,014	122,591,623
Jumlah Kecil/Sub.Total	23,972	296,504,413	21,928	156,764,144	222,192	939,794,071	29,276	380,475,818	53,378	11,587,010	1,057	4,931,962	351,803	1,790,057,418
Jumlah esar/ GrandTotal	48,989	685,891,823	36,747	291,290,792	748,447	3,399,208,742	97,079	1,279,785,864	348,203	135,523,903	6,231	18,352,478	1285696	5,810,053,602

NOTA/NOTE

Gred 1 - awal Tambak, awal Putih, awal hitam, awal Selatan, Senangin/Kurau/Senohong, Tenggiri, Parang, Kerapu, dan Jenahak.

(Gred 1) - Chinese Pomfret, Silver Pomfret, Black pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper

(Gred 11) - Terubuk, Puput/ eliak Mata/Tirok, Merah, Kaci, Cermin/Sagal/Cupak, Demuduk/Rambai dan Siakap.

(Grade 11) - Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.

(Gred 111) - Lain-Lain Ikan Termasuk Ikan Iliis, Sotong, Ketam dan Ubur-ubur

(Gred 111) - Other Species Including Anchovy, Squids, Crabs and Jellyfish.

JADUAL (TABLE) 7.3

SEMENANJUNG MALAYSIA /PENINSULAR MALAYSIA
NILAI PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN GRED IKAN, 2000
VALUE OF MARINE FISH LANDINGS BY GEAR GROUP AND GRADE OF FISH, 2000

Pendaratan dan Nilai Landings and Values		Pukat Tunda/ Trawl Nets	Pukat Tarik / Seine Nets		Lain Pukat Tarik/ Other Seine	Pukat Hanyut/ Drift/ Gill Nets	Pukat Tangguk/ Lift Nets	Perangkap-Perangkap Traps		Pancing / Hooks and Lines	Pukat Bakul/ Bag Nets	Pukat Rentang/ Barrier Nets	Pukat Surung/ Push/ Scoop Nets	Memungut Siput/ Shellfish Collection	Rampaiian Miscell- aneous	Jumlah Besar Grand Total
			Pukat Jerut Ikan/ Purse Seine-Fish	Pukat Jerut Bilis/ Purse Seine - Anchovy				Belat-Belat/ Stationary	Bubu/ Portable							
Gred 1 (Gred 1)	<i>Tonnes</i>	12,528	1,122	2	276	6,572	10	106	1,308	3,043	5	23	22	0	0	25,017
	N.B.RM	165,555,625	14,827,060	26,430	3,647,298	86,847,985	132,148	1,400,774	17,285,022	40,212,784	66,074	303,942	290,727	0	0	330,595,869
	N.R.RM	194,997,220	17,463,832	31,130	4,295,916	102,292,603	155,649	1,649,881	20,358,905	47,364,028	77,825	357,993	342,428	0	0	389,387,410
Gred 11 (Gred 11)	<i>Tonnes</i>	6,900	888	9	80	4,141	8	4	774	1,995	0	15	5	0	0	14,819
	N.B.RM	50,785,234	6,535,839	66,242	588,814	30,478,501	58,881	29,441	5,696,778	14,683,557	0	110,403	36,801	0	0	109,070,491
	N.R.RM	62,638,090	8,061,250	81,702	726,239	37,591,933	72,624	36,312	7,026,360	18,110,578	0	136,170	45,390	0	0	134,526,648
Gred 111 (Gred 111)	<i>Tonnes</i>	208,804	191,923	15,700	2,165	63,167	7,931	448	8,694	17,897	6,703	975	943	0	905	526,255
	N.B.RM	724,688,071	666,099,829	54,489,391	7,513,983	219,231,295	27,525,819	1,554,856	30,173,934	62,114,435	23,263,846	3,383,895	3,272,834	0	3,140,949	1,826,453,137
	N.R.RM	975,830,387	896,938,256	73,372,814	10,117,971	295,206,405	37,064,955	2,093,696	40,630,780	83,640,335	31,325,986	4,556,592	4,407,042	0	4,229,452	2,459,414,671
Udang (Prawn)	<i>Tonnes</i>	30,000	100	0	12,176	8,598	0	589	0	0	9,672	239	6,397	0	22	67,803
	N.B.RM	339,061,188	1,130,204	0	137,613,635	97,174,937	0	6,769,922	0	0	109,313,327	2,701,187	72,299,148	0	248,645	766,312,193
	N.R.RM	397,907,196	1,326,357	0	161,497,265	114,040,201	0	7,944,880	0	0	128,285,278	3,169,994	84,847,076	0	291,799	899,310,046
Ikan Baja (Manure Fish)	<i>Tonnes</i>	265,731	5,885	354	13,412	2,345	1	0	1	3	2,452	760	3,881	0	0	294,825
	N.B.RM	88,921,504	1,969,296	118,459	4,488,055	784,707	335	0	335	1,004	820,512	254,319	1,298,698	0	0	98,657,223
	N.R.RM	111,706,518	2,473,904	148,813	5,638,062	985,778	420	0	420	1,261	1,030,758	319,485	1,631,473	0	0	123,936,893
Kerang Kerangan (Shellfish)	<i>Tonnes</i>	41	0	0	0	0	0	0	0	0	0	0	0	5,133	0	5,174
	N.B.RM	68,725	0	0	0	0	0	0	0	0	0	0	0	8,604,017	0	8,672,742
	N.R.RM	106,347	0	0	0	0	0	0	0	0	0	0	0	13,314,169	0	13,420,516
Jumlah Total	<i>Tonnes</i>	524,004	199,918	16,065	28,109	84,823	7,950	1,157	10,777	22,938	18,832	2,012	11,248	5,133	927	933,893
	N.B.RM	1,369,080,347	690,562,228	54,700,522	153,851,785	434,517,425	27,717,183	9,754,993	53,156,069	117,011,780	133,463,759	6,753,746	77,198,208	8,604,017	3,389,594	3,139,761,655
	N.R.RM	1,743,185,758	926,263,599	73,634,459	182,275,453	550,116,920	37,293,648	11,724,769	68,016,485	149,116,202	160,719,847	8,540,234	91,273,408	13,314,169	4,521,251	4,019,996,184

Nota/Note

- Gred 1** - Bawal Tambak, Bawal Putih, Bawal hitam, Bawal Selatan, Senangin/Kurau/Senohong, Tenggilri, Parang, Kerapu, dan Jenahak.
(Gred 1) - Chinese Pomfret, Silver Pomfret, Black pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper
(Gred 11) - Terubuk, Puput/Bellak Mata/Tiok, Merah, Kaci, Cermin/Sagal/Cupak, Demuduk/Rambai dan Siakap.
(Grade 11) - Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
(Gred 111) - Lain-Lain Ikan Termasuk Ikan Bilis, Sotong, Ketam dan Ubur-ubur
(Gred 111) - Other Species Including Anchovy, Squids, Crabs and Jellyfish.

N.B.RM - Nilai Borong Dalam Ringgit Malaysia/Wholesale Value In Ringgit Malaysia

N.R.RM - Nilai Runcit Dalam Ringgit Malaysia/Retail Value In Ringgit Malaysia

JADUAL (TABLE) 8.1

MALAYSIA
SIRI TAHUNAN PENDARATAN IKAN LAUT DAN NILAI TAHUN 1996-2000
ANNUAL SERIES OF MARINE FISH LANDINGS AND VALUE, 1996-2000

Negeri/State	1996		1997		1998		1999		2000	
	Tan.metrik M.Tonnes	RM	Tan.metrik M. Tonnes	RM	Tan.metrik M. Tonnes	RM	Tan.metrik M. Tonnes	RM	Tan.metrik M.Tonnes	RM
Pantai Barat/West Coast										
Perlis	44,763	117,592,180	54,273	157,140,411	73,781	155,045,472	85,089	155,433,358	57,168	101,536,420
Kedah	76,269	240,641,450	87,863	341,785,473	93,361	355,487,585	85,229	344,903,665	76,735	319,220,708
Pulau-Pinang	37,612	154,910,298	37,532	158,833,466	35,476	189,177,487	34,789	137,640,518	35,895	148,266,950
Perak	225,079	843,024,682	201,212	668,933,588	213,984	616,714,466	171,344	616,417,179	215,272	868,941,401
Selangor	110,368	313,374,407	118,408	321,944,429	117,663	357,985,412	108,963	353,609,727	135,864	406,533,830
Negeri-Sembilan	385	3,376,660	377	3,678,568	376	3,811,342	327	3,277,233	326	4,011,071
Melaka	1,928	14,878,785	1,750	14,954,187	1,895	16,300,799	1,891	17,895,690	1,858	18,493,997
Johor Barat/West Johor	23,091	110,157,089	14,014	82,828,973	14,646	82,765,361	12,449	84,273,462	12,000	43,955,143
Jumlah Kecil/Sub.Total	519,495	1,797,955,551	515,429	1,750,099,095	551,182	1,777,287,924	500,081	1,713,450,832	535,118	1,910,959,520
Pantai Timur/East Coast										
Kelantan	32,729	64,337,510	34,136	77,936,565	41,546	108,574,267	50,687	127,124,213	60,917	162,216,042
Terengganu	92,167	281,965,564	139,581	471,382,230	143,694	514,070,864	160,900	634,843,986	120,615	480,387,195
Pahang	104,859	184,083,672	91,175	171,984,744	108,961	230,237,113	126,831	290,601,573	145,828	377,058,595
Johor Timur/East Johor	58,407	111,789,022	57,253	124,592,372	56,550	131,077,354	64,783	166,493,173	71,415	209,140,303
Jumlah Kecil/Sub.Total	288,162	642,175,768	322,145	845,895,911	350,751	983,959,598	403,201	1,219,062,945	398,775	1,228,802,135
Sem.Malaysia/ Jumlah/Total	807,657	2,440,131,319	837,574	2,595,995,006	901,933	2,761,247,522	903,282	2,932,513,777	933,893	3,139,761,655
Sarawak	100,744	300,078,640	128,193	408,050,416	103,213	338,612,446	121,914	452,313,417	134,932	478,000,557
Sabah	180,143	503,880,156	174,265	569,163,500	196,227	660,078,990	207,213	698,314,950	202,857	729,547,000
W.Persekutuan Labuan	38,145	78,067,262	28,941	102,022,244	13,833	57,284,249	15,993	60,132,178	14,014	51,929,758
Jumlah Kecil/Sub.Total	319,032	882,026,058	331,399	1,079,236,160	313,273	1,055,975,685	345,120	1,210,760,545	351,803	1,259,477,315
Jumlah Besar/ Grand.Total	1,126,689	3,322,157,377	1,168,973	3,675,231,166	1,215,206	3,817,223,207	1,248,402	4,143,274,322	1,285,696	4,399,238,970

NOTA/NOTE

- Gred 1 - Bawal Tambak, Bawal Putih, Bawal hitam, Bawal Selatan, Senangin/Kurau/Senohong, Tenggiri, Parang, Kerapu, dan Jenahak.
 (Gred 1) - Chinese Pomfret, Silver Pomfret, Black pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper
 (Gred 11) - Terubuk, Puput/Beliak Mata/Tirok, Merah, Kaci, Cermin/Sagai/Cupak, Demuduk/Rambai dan Siakap.
 (Grade 11) - Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
 (Gred 111) - Lain-Lain Ikan Termasuk Ikan Bills, Sotong, Ketam dan Ubur-ubur
 (Gred 111) - Other Species Including Anchovy, Squids, Crabs and Jellyfish.

MALAYSIA

JADUAL (TABLE) 9.1

KUANTITI DAN PERATUS PENDARATAN SERTA NILAI IKAN LAUT MENGIKUT NEGERI, 2000
 QUANTITY AND PERCENTAGE OF LANDINGS AND VALUES OF MARINE FISH BY STATE, 2000

Negeri/State	Kuantiti Pendaratan Dalam Tan Metrik / Quantity Of Landings (Tonnes)	Peratus/ Percentage %	Nilai Dalam Ringgit Values In Ringgit	Peratus Percentage %
Pantai Barat (West Coast)				
Perlis	57,168	4.45	101,536,420	2.31
Kedah	76,735	5.97	319,220,708	7.26
Pulau Pinang	35,895	2.79	148,266,950	3.37
Perak	215,272	16.74	868,941,401	19.75
Selangor	135,864	10.57	406,533,830	9.24
Negeri Sembilan	326	0.03	4,011,071	0.09
Melaka	1,858	0.14	18,493,997	0.42
Johor Barat	12,000	0.93	43,955,143	1.00
Jumlah Kecil/Sub.Total	535,118	41.62	1,910,959,520	43.44
Pantai Timur/East Coast				
Kelantan	60,917	4.74	162,216,042	3.69
Terengganu	120,615	9.38	480,387,195	10.92
Pahang	145,828	11.35	377,058,595	8.57
Johor Timur	71,415	5.55	209,140,303	4.75
Jumlah Kecil/Sub.Total	398,775	31.02	1,228,802,135	27.93
Sarawak	134,932	10.49	478,000,557	10.87
Sabah	202,857	15.78	729,547,000	16.58
W.Persekutuan Labuan	14,014	1.09	51,929,758	1.18
Jumlah Kecil/Sub.Total	351,803	27.36	1,259,477,315	28.63
Jumlah Besar/GrandTotal	1,285,696	100	4,399,238,970	100

SEMENANJUNG MALAYSIA / PENINSULAR MALAYSIA
PENGUNAAN PENDARATAN IKAN LAUT, 2000
DISPOSITION OF MARINE FISH LANDINGS, 2000

JADUAL (TABLE) 10.1

Aliran Penggunaan Disposition Channel	Pantai Barat / West Coast								Jumlah Kecil Sub-Total	Pantai Timur / East Coast				Jumlah Kecil Sub-Total	Jumlah Besar Grand-Total
	Perlis	Kedah	P.Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat West Johor		Kelantan	Terengganu	Pahang	Johor Timur East Johor		
Digunakan secara hidup Disposed alive	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digunakan secara basah Disposed fresh	56,953	35,769	34,762	108,563	60,737	326	1,523	6,364	304,997	59,527	107,223	137,117	39,571	343,438	648,435
Digunakan untuk dibeku Disposed for freezing	0	0	0	3,940	0	0	0	1,160	5,100	0	0	0	0	0	5,100
Digunakan untuk mengetin Disposed for canning	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
Digunakan untuk diawetkan: Disposed for curing:															
Kering/Masin/Diasap Dried/Salted/Smoked	49	16,944	524	7,137	9,449	0	84	294	34,481	520	3,842	653	0	5,015	39,496
Rebus Steamed/Boiled	0	0	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900
Diragikan Fermented	81	879	454	3,136	4,802	0	251	624	10,227	523	93	0	361	976	11,203
Lain-Lain Others	7	4,127	0	8,761	2,092	0	0	3,559	18,545	347	9,457	3,805	449	14,058	32,603
Digunakan untuk mengubahkan Disposed for reduction	0	18,932	93	62,003	58,745	0	0	0	139,773	0	0	0	31,034	31,034	170,807
Digunakan untuk lain-lain Disposed for others	78	85	61	19,833	39	0	0	0	4,077	0	0	4,253	0	4,253	8,330
Jumlah (Tan Metrik) Total (Tonnes)	57,168	76,735	35,895	215,272	135,864	326	1,858	12,000	535,118	60,917	120,615	145,828	71,415	398,775	933,893

Nota: Na: Tiada maklumat
Not available

SEMENANJUNG MALAYSIA / PENINSULAR MALAYSIA

HASIL LAUT YANG DIAWETKAN, 2000

PROCESSED MARINE FISH PRODUCTS, 2000

(Timbangan dalam Tan Metrik / Weight in Tonnes)

JADUAL (TABLE) 10.2

Negeri State	Ikan Masin/ Ikan Kering Salted/Dried Fish	Bilis Kering Dried Anchovies	Udang Kering Dried Prawn	Sotong Kering Dried Cuttle Fish	Ubur- Ubur (Dried Jelly Fish)	Lala Kering Dried Shell-fish	Ikan Salai Smoked Fish	Ikan Baja Manure Fish	Tepung Ikan Fish Meal	Otak Udang Prawn/cuttle Paste	Belacan Shrimp Paste	Cincaluk Pickled Prawn	Budus Fermented Anchovies	Bebola Ikan Fish Ball	Bebola Sotong Cuttle- Fish Ball	Bebola Udang Prawn Ball	Kek Ikan Fish Cake	Otak- Otak Fish Paste	Surimi	Keropok Crackers		Satay Ikan Satay Fish	Sotong Beku Frozen Cuttle- Fish	Udang/kup- Beku Frozen Prawn	Ikan Rebus Fish Boiled	JUMLAH Total
																				Ikan Fish	Udang/Sotong Prawn/Cuttle Fish					
Pantai Barat West Coast																										
Perlis	26.40	0.00	1.20	0.00	0.00	0.00	0.00	47.00	0.00	0.00	25.90	0.00	0.00	2.90	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	104.60
Kedah	226.90	4,140.40	1.00	0.00	0.00	0.00	0.00	51.00	4,733.00	6.10	261.68	0.00	0.00	1,202.00	0.00	0.00	0.00	0.00	1,105.00	169.00	14.10	0.00	0.00	0.00	0.00	11,910.18
Pulau Pinang	151.05	0.00	68.15	0.00	0.00	0.00	0.00	36.35	23.30	14.10	100.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	393.25
Perak	1,617.18	1,028.02	44.26	0.00	15.28	0.00	0.00	11,900.00	15,500.79	0.00	1,003.56	0.00	0.00	3,988.33	0.00	0.00	0.00	0.00	0.00	63.05	0.00	1,210.40	1,296.64	1,067.19	1,519.64	40,254.34
Selangor	1,302.30	0.00	53.45	18.88	577.26	121.65	0.00	23.52	14,686.25	0.00	1,536.78	0.00	0.00	1,255.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,575.32
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	50.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.50	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128.00
Johor Barat/ West Johor	21.21	0.00	7.11	0.00	22.99	0.00	0.00	0.00	0.00	0.00	184.25	14.40	0.00	538.54	438.00	191.00	604.49	246.58	0.00	122.36	4.10	0.00	201.00	495.00	0.00	3,091.03
Jum.Kecil Sub-Total	3,395.54	5,168.42	175.17	18.88	615.53	121.65	0.00	12,057.87	34,943.34	20.20	3,149.97	54.40	0.00	6,987.00	438.00	191.00	604.49	246.58	1,105.00	355.81	18.20	1,210.40	1,497.64	1,562.19	1,519.64	75,456.72
Pantai Timur East Coast																										
Kelantan	309.38	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157.00	9.50	0.00	0.00	0.00	0.00	0.00	122.60	0.00	0.00	0.00	0.00	0.00	599.48
Terengganu	573.54	277.92	266.51	165.10	0.00	0.00	14.45	0.00	0.00	0.00	12.33	0.00	16.20	68.17	0.00	0.00	44.83	0.00	0.08	6,024.50	0.00	0.00	0.00	0.00	0.00	7,463.63
Pahang	112.15	116.62	0.00	0.00	0.00	0.00	0.00	2,552.17	0.00	0.00	0.00	0.00	0.00	169.88	0.00	0.00	165.94	0.00	0.00	2,109.15	0.00	0.00	0.00	0.00	0.00	5,225.91
Johor Timur East Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,758.48	0.00	115.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	292.09	0.00	0.00	0.00	0.00	0.00	8,165.97
Jum.Kecil Sub-Total	995.07	395.54	266.51	165.10	0.00	0.00	14.45	2,552.17	7,758.48	0.00	127.73	0.00	173.20	247.55	0.00	0.00	210.77	0.00	0.08	8,548.34	0.00	0.00	0.00	0.00	0.00	21,454.99
Jumlah Besar Grand-Total	4,390.61	5,563.96	441.68	183.98	615.53	121.65	14.45	14,610.04	42,701.82	20.20	3,277.70	54.40	173.20	7,234.55	438.00	191.00	815.26	246.58	1,105.08	8,903.95	18.20	1,210.40	1,497.64	1,562.19	1,519.64	96,911.71

Nota : Tiada hasil awet bagi ikan beku.

Note: (No production of processed marine fish products or frozen fish)

JADUAL (TABLE) 11.1

MALAYSIA
KILANG-KILANG AIR BATU DAN KEMUDAHAN-KEMUDAHAN PENYEJUKAN SEHINGGA 31-12-2000
ICE FACTORIES AND REFRIGERATION FACILITIES AS AT 31-12-2000
 (Kuantiti Dalam Tan Metrik / Quantity in Tonnes)

Negeri / Daerah	Bilangan Kilang Air Batu (No. of ice factories)	Daya Pengeluaran Harian (Daily Production Capacity)					Kemudahan Menyimpan (Storage Capacity)		
		Kuantiti (Tan Metrik) Quantity (Tonnes)	Purata Harga Seblok (RM) Average Price / Block (RM)				Bilangan Bilik Sejuk (No. of cold rooms)	Kuantiti / Quantity (Tan Metrik / Tonnes)	
			0-50kg	51-100kg	101-150kg	151-200kg		Ais (Ice)	Ikan (Fish)
Perlis	2	2	-	6.00	8.50	-	-	135	-
Kedah	6	35	0.50-0.60	7.00	-	-	77	294	714
P. Pinang	5	693	-	-	9.00	-	118	1,114	11,623
Perak	11	1,794	7.00	7.40	8.50	-	47	823	410
Selangor	44	23	0.50	-	-	-	54	171	59
Melaka	2	88	3.00	-	14.40	-	27	60	600
Negeri Sembilan	0	-	-	-	-	-	-	-	-
Johor Barat / West Johor	6	331	3.00	6.00	6.00	-	13	185	78
Johor Timur / East Johor	6	181	4.00-5.00	7.00-9.90	-	-	15	301	-
Kelantan	11	150	4.00-10.00	4.00-10.00	4.00-10.00	4.00-10.00	18	281	331
Terengganu	6	456	-	6.00	7.00	10.00	41	742	692
Pahang	15	469	-	7.00-7.50	8.50-9.50	-	41	322	135
Sarawak	49	750	0.80-7.00	3.60-10.00	-	-	179	2,168	6,787
Sabah	58	650	4.70	6.80	10.00	-	126	1,651	3,071
W.P.Labuan/Labuan Fed.Territory	2	27	4.00	5.00	16.00	-	3	916	710
JUMLAH / TOTAL	223	5,649					759	9,163	25,210

JADUAL (TABLE) 12.1

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

HASIL PERIKANAN, 2000

FISHERIES REVENUE, 2000

(HASIL DALAM RM /REVENUE IN RM)

Jenis Hasil Type Of Revenue	Hasil Negeri State Revenue					Hasil Persekutuan Federal Revenue				Jumlah Besar
Negeri State	Lesen License		Patil Perahu Boat No. Plate	Sistem Kultur Laut Marine Culture System	Jumlah Total	Ikan Fish	Kompaun/ Denda Compound/ Fine	Jualan Pelbagai Miscellaneous	Jumlah Total	Grand Total
	Perahu Vessel	Alat Menangkap Ikan Fishing Appliances								
Perlis	29,598.50	196,739.00	2,930.00	0.00	229,267.50	0.00	0.00	96.00	96.00	229,363.50
Kedah	30,382.50	272,956.00	6,960.00	0.00	310,298.50	8,647.40	73,750.00	205.30	82,602.70	392,901.20
P.Pinang	24,757.00	31,738.00	6,190.00	9,240.00	71,925.00	3,188.00	102,400.00	18,113.90	123,701.90	195,626.90
Perak	193,205.50	461,717.00	21,350.00	10,934.00	687,206.50	10,867.00	169,400.00	9,316.50	189,583.50	876,790.00
Selangor	70,473.50	91,514.50	7,529.00	6,660.00	176,177.00	19,285.00	115,400.00	3,728.50	138,413.50	314,590.50
N. Sembilan	989.00	566.00	955.00	60.00	2,570.00	0.00	0.00	29.40	29.40	2,599.40
Melaka	2,253.50	1,654.00	3,360.00	700.00	7,967.50	0.00	500.00	46.20	546.20	8,513.70
Kelantan	24,889.00	398,900.00	4,735.00	1,130.00	429,654.00	360.00	4,950.00	24,794.90	30,104.90	459,758.90
Terengganu	10,350.00	279,546.50	9,608.00	0.00	299,504.50	6,961.00	21,350.00	18,345.80	46,656.80	346,161.30
Pahang	66,226.50	339,557.00	5,299.00	0.00	411,082.50	4,102.00	57,400.00	5,581.10	67,083.10	478,165.60
Johor	75,270.00	186,129.00	20,635.00	8,585.00	290,619.00	11,856.50	64,700.00	12,251.70	88,808.20	379,427.20
Jumlah Besar Grand Total	528,395.00	2,261,017.00	89,551.00	37,309.00	2,916,272.00	65,266.90	609,850.00	92,509.30	767,626.20	3,683,898.20

AKUAKULTUR

AQUACULTURE

MALAYSIA

ANGGARAN BILANGAN DAN LUAS KOLAM DAN SANGKAR AIR TAWAR, BEKAS LOMBONG, TANGKI SIMEN DAN KANDANG
SERTA BILANGAN PENTERNAK MENGIKUT SISTEM TERNAKAN DAN NEGERI, 2000
ESTIMATED NUMBER AND AREA OF FRESHWATER PONDS AND CAGES, EX-MINING POOLS, CEMENT TANKS, PENCULTURE
AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 2000

Negeri State	Kolam Air tawar Freshwater Ponds			Sangkar Air tawar Freshwater cages			Bekas Lombong Ex-Mining Ponds			Tangki simen Cement Tanks			Kandang ikan Pen Culture			Jumlah penternak Air tawar Total No. Of Freshwater Culturists
	Bil No	Luas (Ha) Area (Ha)	Bil Penternak No. Of Culturist	Bil No	Luas (M ²) Area (M ²)	Bil Penternak No. Of Culturist	Bil No	Luas (Ha) Area (Ha)	Bil Penternak No. Of Culturist	Bil No	Luas (M ²) Area (M ²)	Bil Penternak No. Of Culturist	Bil No	Luas (Ha) Area (Ha)	Bil Penternak No. Of Culturist	
Perlis	193	26.76	118	300	2,700.00	6	0	0.00	0	9	145.00	3	14	0.18	3	130
Kedah	1,656	190.07	750	420	4,016.00	21	1	4.10	1	27	1,254.20	10	33	2.56	15	797
Pulau Pinang	98	18.63	36	9	67.00	2	0	0.00	0	0	0.00	0	0	0.00	0	38
Perak	2,393	670.01	1,099	439	15,600.00	41	250	1,045.93	150	50	11,900.00	14	122	13.55	83	1,387
Selangor	1,697	292.49	645	177	4,293.60	11	108	211.38	56	141	24,472.88	25	0	0.00	0	737
Negeri Sembilan	2,077	451.82	1,059	1,020	14,682.00	5	0	0.00	0	162	5,653.37	27	0	0.00	0	1,091
Melaka	526	113.02	275	291	6,314.00	3	0	0.00	0	5	220.32	2	0	0.00	0	280
Johor	2,210	289.01	419	220	2,353.20	13	0	0.00	0	139	3,236.73	28	0	0.00	0	460
Pahang	3,109	983.05	1,471	2,714	40,464.80	719	20	374.00	295	75	733.38	33	15	1.10	18	2,536
Terengganu	1,373	118.23	681	1,473	35,250.47	192	0	0.00	0	206	3,627.75	80	0	0.00	0	953
Kelantan	1,884	195.33	1,157	273	6,662.24	73	0	0.00	0	56	998.74	30	525	90.62	402	1,662
Sarawak	2,464	226.22	1,731	2,750	60,000.00	149	0	0.00	0	0	0.00	0	0	0.00	0	1,880
Sabah	16,475	1,491.36	5,604	186	2,350.11	16	0	0.00	0	153	4,470.38	33	0	0.00	0	5,653
Jumlah/Total	36,155	5,066.00	15,045	10,272	194,753.42	1,251	379	1,635.41	502	1,023	56,712.75	285	709	108.01	521	17,604

JADUAL (TABLE) 13.1b

MALAYSIA
ANGGARAN BILANGAN DAN LUAS KOLAM DAN SANGKAR AIR PAYAU/MASIN, KERANG, SIPUT SUDU, TIRAM DAN RUMPAI LAUT
SERTA BILANGAN PENTERNAK MENGIKUT SISTEM TERNAKAN DAN NEGERI, 2000
ESTIMATED NUMBER AND AREA OF BRACKISHWATER/ MARINE PONDS AND CAGES, COCKLES, MUSSELS, OYSTERS AND SEAWEEDS
AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 2000

Negeri State	Kolam Air payau Brackishwater Ponds			Sangkar Air payau Brackishwater cages			Kerang Cockles			Siput Sudu Mussels			Tiram Oysters			Rumpai Laut Seaweeds			Jumlah penternak Air payau Total No. Of Brackish water Culturists	Jumlah Penternak Akuakultur Grand Total Aquaculture Culturists
	Bil No	Luas (Ha) Area (Ha)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (M ²) Area (M ²)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (Ha) Area (Ha)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (M ²) Area (M ²)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (M ²) Area (M ²)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (Ha) Area (Ha)	Bil Pen- ternak No. Of Cul- turst		
Pertis	49	36.50	11	50	125.00	1	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	12	142
Kedah	961	698.64	155	3,600	40,680.26	125	2	39.81	2	8	1,500.00	5	24	2,458.32	2	0	0.00	0	289	1,086
Pulau Pinang	209	136.48	123	26,783	246,608.00	355	63	800.00	51	0	0.00	0	20	300.00	3	0	0.00	0	532	570
Perak	1,181	930.89	151	19,228	169,400.00	181	163	5,185.77	163	1	190.00	1	0	0.00	0	0	0.00	0	496	1,883
Selangor	586	287.49	134	6,939	117,505.04	34	25	954.07	25	0	0.00	0	0	0.00	0	0	0.00	0	193	930
Negeri Sembilan	84	78.60	3	15	140.00	1	0	0.00	0	29	4,981.21	29	0	0.00	0	0	0.00	0	33	1,124
Melaka	90	48.41	19	163	4,142.12	3	2	20.00	16	63	10,638.62	42	0	0.00	0	0	0.00	0	80	360
Johor	905	801.24	102	5,897	133,411.94	189	3	129.67	7	300	56,464.82	69	7	7,000.00	7	0	0.00	0	374	834
Pahang	266	286.34	29	20	186.00	8	0	0.00	0	5	110.88	3	0	0.00	0	0	0.00	0	40	2,576
Terengganu	287	84.50	62	1,242	19,298.10	103	0	0.00	0	0	0.00	0	81	19,549.32	24	0	0.00	0	189	1,142
Kelantan	101	38.83	46	1,734	33,833.93	170	0	0.00	0	0	0.00	0	37	837.22	9	0	0.00	0	225	1,887
Sarawak	1,212	705.53	210	858	8,273.50	142	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	352	2,232
Sabah	1,492	3,017.62	86	1,874	71,479.06	277	0	0.00	0	137	3,151.20	135	145	55,550.00	145	712	815.22	712	1355	7,008
Jumlah/Total	7,423	7,151.07	1,131	68,403	845,082.95	1,589	258	7,129.32	264	543	77,036.73	284	314	85,694.86	190	712	815.22	712	4,170	21,774

JADUAL(TABLE) 14.1

MALAYSIA
ANGGARAN JUMLAH PENGELUARAN IKAN TERNAKAN, KERANG, SIPUT SUDU , TIRAM DAN RUMPAI LAUT
MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2000
ESTIMATED PRODUCTION OF FISH, COCKLES, MUSSELS, OYSTERS AND SEAWEEDS
BY STATE AND CULTURE SYSTEM, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Air tawar/Freshwater						Air payau/Brackishwater							Jumlah Besar Grand Total Tan Metrik Tonnes
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Tangki Simen Cement Tanks	Kandang Ikan Pen Culture	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oyster	Rumpai Laut Seaweed	Jumlah Kecil Sub Total	
Perlis	103.80	0.00	13.15	0.97	0.40	118.32	161.00	75.00	0.00	0.00	0.00	0.00	236.00	354.32
Kedah	1,000.88	3.05	57.95	4.61	8.66	1,075.15	521.79	496.85	159.18	33.05	14.75	0.00	1,225.62	2,300.77
Pulau Pinang	236.49	0.00	0.00	0.10	0.00	236.59	353.36	1,313.56	13,117.33	0.00	8.25	0.00	14,792.50	15,029.09
Perak	5,403.78	5,995.19	126.16	274.33	148.24	11,947.70	2,685.25	525.25	43,382.17	181.00	0.00	0.00	46,773.67	58,721.37
Selangor	5,762.33	369.72	64.37	426.32	0.00	6,622.74	1,567.66	1,828.12	7,484.75	0.00	0.00	0.00	10,880.53	17,503.27
Negeri Sembilan	1,549.69	0.00	531.24	25.85	0.00	2,106.78	269.80	0.70	0.00	8.21	0.00	0.00	278.71	2,385.49
Melaka	1,151.14	0.00	60.14	1.08	0.00	1,212.36	75.14	64.50	20.00	197.86	0.00	0.00	357.50	1,569.86
Johor	4,208.03	0.00	23.55	48.46	0.00	4,280.04	3,543.72	2,601.25	232.82	10,554.48	5.08	0.00	16,937.35	21,217.39
Pahang	12,787.55	69.65	1,123.93	55.78	0.00	14,036.91	2,267.53	4.88	0.00	0.00	0.00	0.00	2,272.41	16,309.32
Terengganu	340.73	0.00	990.28	42.21	0.00	1,373.22	146.27	223.36	0.00	0.00	95.64	0.00	465.27	1,838.49
Kelantan	506.86	0.00	33.30	64.12	350.67	954.95	200.94	115.42	0.00	0.00	8.95	0.00	325.31	1,280.26
Sarawak	578.20	0.00	825.00	0.00	0.00	1,403.20	3,561.82	47.10	0.00	0.00	0.00	0.00	3,608.92	5,012.12
Sabah	5,223.30	0.00	80.38	16.79	0.00	5,320.47	2,063.91	669.59	0.00	94.31	99.16	16,124.80	19,051.77	24,372.24
Jumlah/Total	38,852.78	6,437.61	3,929.45	960.62	507.97	50,688.43	17,418.19	7,965.58	64,396.25	11,068.91	231.83	16,124.80	117,205.56	167,893.99

JADUAL(TABLE) 14.2

MALAYSIA
 ANGGARAN NILAI BORONG IKAN TERNAKAN, KERANG, SIPUT SUDU, TIRAM DAN RUMPAI LAUT
 MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2000
 ESTIMATED WHOLESALE VALUE OF FISH, COCKLES, MUSSELS, OYSTERS AND SEaweEDS
 BY STATE AND CULTURE SYSTEM, 2000
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Negeri State	Air tawar/Freshwater						Air payau/Brackishwater							Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Tangki Simen Cement Tanks	Kandang Ikan Pen Culture	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oyster	Rumpai Laut Seaweed	Jumlah Kecil Sub Total	
Perlis	331.32	0.00	52.40	4.02	1.20	388.94	3,488.87	859.50	0.00	0.00	0.00	0.00	4,348.37	4,737.31
Kedah	3,899.55	15.08	242.87	14.61	33.52	4,205.63	12,750.84	7,849.52	119.39	36.02	221.25	0.00	20,977.02	25,182.65
Pulau Pinang	669.08	0.00	0.00	0.28	0.00	669.36	7,100.10	19,132.35	9,182.13	0.00	132.00	0.00	35,546.58	36,215.94
Perak	20,990.13	20,749.09	579.61	1,051.27	596.44	43,966.54	82,864.22	7,574.94	34,705.74	362.00	0.00	0.00	125,506.90	169,473.44
Selangor	19,526.75	1,492.11	294.04	1,899.38	0.00	23,212.28	40,942.58	17,445.75	6,436.89	0.00	0.00	0.00	64,825.22	88,037.50
Negeri Sembilan	8,151.21	0.00	2,012.65	81.09	0.00	10,244.95	8,048.13	8.13	0.00	9.93	0.00	0.00	8,066.19	18,311.14
Melaka	3,686.37	0.00	251.76	4.21	0.00	3,942.34	2,106.50	374.22	23.20	189.95	0.00	0.00	2,693.87	6,636.21
Johor	21,473.47	0.00	118.81	151.45	0.00	21,743.73	93,498.51	43,297.81	186.26	4,749.52	76.20	0.00	141,808.30	163,552.03
Pahang	120,595.16	363.78	9,590.88	260.61	0.00	130,810.43	67,433.67	45.80	0.00	0.00	0.00	0.00	67,479.47	198,289.90
Terengganu	1,612.24	0.00	4,927.22	181.63	0.00	6,721.09	2,635.66	1,912.56	0.00	0.00	1,019.52	0.00	5,567.74	12,288.83
Kelantan	2,517.55	0.00	156.73	280.49	1,784.98	4,739.75	6,418.69	1,309.05	0.00	0.00	60.77	0.00	7,788.51	12,528.26
Sarawak	5,374.45	0.00	5,362.50	0.00	0.00	10,736.95	105,982.24	464.20	0.00	0.00	0.00	0.00	106,446.44	117,183.39
Sabah	42,821.40	0.00	643.04	134.32	0.00	43,598.76	61,917.30	5,096.78	0.00	141.47	198.32	6,933.66	74,287.53	117,886.29
Jumlah/Total	251,648.68	22,620.06	24,232.51	4,063.36	2,416.14	304,980.75	495,187.31	105,370.61	50,653.61	5,488.89	1,708.06	6,933.66	665,342.14	970,322.89

JADUAL (TABLE) 14.3

MALAYSIA
 ANGGARAN NILAI RUNCIT IKAN TERNAKAN, KERANG, SIPUT SUDU, TIRAM DAN RUMPAI LAUT
 MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2000
 ESTIMATED RETAIL VALUE OF FISH, COCKLES, MUSSELS, OYSTERS AND SEAWEEDS
 BY STATE AND CULTURE SYSTEM, 2000
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Negeri State	Air tawar/Freshwater						Air payau /Brackishwater							Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Tangki Simen Cement Tanks	Kandang Ikan Pen Culture	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oyster	Rumpai Laut Seaweed	Jumlah Kecil Sub Total	
Perlis	470.51	0.00	69.92	5.46	1.80	547.69	4,448.43	1,162.50	0.00	0.00	0.00	0.00	5,610.93	6,158.62
Kedah	5,697.75	20.68	330.23	23.13	45.97	6,117.76	15,668.46	9,535.50	191.02	57.18	351.94	0.00	25,804.10	31,921.86
Pulau Pinang	1,176.40	0.00	0.00	0.50	0.00	1,176.90	8,344.27	22,356.86	10,493.86	0.00	132.00	0.00	41,326.99	42,503.89
Perak	30,896.24	31,019.09	820.56	1,492.99	874.50	65,103.38	90,555.99	9,552.91	54,661.53	398.20	0.00	0.00	155,168.63	220,272.01
Selangor	29,374.50	2,057.56	398.51	2,587.44	0.00	34,418.01	45,221.63	21,435.11	9,355.94	0.00	0.00	0.00	76,012.68	110,430.69
Negeri Sembilan	12,063.91	0.00	3,123.39	151.42	0.00	15,338.72	9,194.78	9.72	0.00	12.32	0.00	0.00	9,216.82	24,555.54
Melaka	5,953.12	0.00	365.00	5.88	0.00	6,324.00	2,391.39	556.61	30.00	267.11	0.00	0.00	3,245.11	9,569.11
Johor	30,665.26	0.00	168.94	242.82	0.00	31,077.02	112,614.66	56,194.62	363.20	7,915.86	86.36	0.00	177,174.70	208,251.72
Pahang	158,959.32	507.49	12,880.19	345.79	0.00	172,692.79	76,502.77	58.87	0.00	0.00	0.00	0.00	76,561.64	249,254.43
Terengganu	1,997.70	0.00	6,395.39	198.16	0.00	8,591.25	2,843.93	2,183.56	0.00	0.00	1,210.80	0.00	6,238.29	14,829.54
Kelantan	3,367.54	0.00	204.79	382.64	2,321.34	6,276.31	6,979.02	1,568.15	0.00	0.00	71.60	0.00	8,618.77	14,895.08
Sarawak	6,669.53	0.00	7,425.00	0.00	0.00	14,094.53	127,264.13	785.40	0.00	0.00	0.00	0.00	128,049.53	142,144.06
Sabah	53,176.80	0.00	803.80	167.90	0.00	54,148.50	97,003.77	6,606.47	0.00	282.93	347.06	10,158.62	114,398.85	168,547.35
Jumlah/Total	340,468.58	33,604.82	32,985.72	5,604.13	3,243.61	415,906.86	599,033.23	132,006.28	75,095.55	8,933.60	2,199.76	10,158.62	827,427.04	1,243,333.90

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KOLAM DAN SANGKAR AIR TAWAR,
 BEKAS LOMBONG, TANGKI SIMEN DAN KANDANG MENGIKUT SPESIS IKAN, 2000
 ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS AND CAGES,
 EX-MINING POOLS, CEMENT TANKS AND PEN CULTURE BY FISH SPECIES, 2000
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Spesis Species	Sistem Ternakan Culture system					Jumlah Total
	Kolam Air tawar Freshwater Ponds	Sangkar Air tawar Freshwater Cages	Bekas Lombong Ex-Mining Pools	Tangki Simen Cement Tanks	Kandang Pen Culture	
Lampam Jawa Javanese Carp	1,214.39	39.19	390.20	0.00	28.72	1,672.50
Lee Koh Common Carp	756.89	0.09	221.72	0.00	1.82	980.52
Kap Rumput Grass Carp	970.45	47.92	452.03	0.00	13.87	1,484.27
Kap Kepala Besar Big Head Carp	126.70	1.36	1,485.80	0.00	5.78	1,619.64
Udang Galah Giant Freshwater Prawn	1,337.66	0.00	0.00	0.00	0.00	1,337.66
Tilapia Hitam Black Tilapia	2,081.27	59.34	752.69	15.19	5.10	2,913.59
Tilapia Merah Red Tilapia	9,275.94	2,607.56	2,402.51	776.51	300.50	15,363.02
Jelawat River Carp	391.67	8.85	122.14	0.00	5.96	528.62
Keli Freshwater Catfish	9,737.15	0.00	5.73	161.07	0.51	9,904.46
Ketutu Goby	179.95	0.48	0.00	0.00	0.00	180.43
Belut Eel	1,980.00	0.00	0.00	0.00	0.00	1,980.00
Patin River Catfish	671.69	820.25	25.98	0.22	107.07	1,625.21
Toman Giant Snakehead	1,241.64	0.00	0.00	0.00	0.00	1,241.64
Baung River Catfish	307.69	238.41	4.16	0.00	35.75	586.01
Pelbagai Others	8,579.69	106.00	574.65	7.63	2.89	9,270.86
Jumlah Total	38,862.78	3,929.45	6,437.61	960.62	507.97	50,688.43

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM DAN SANGKAR AIR TAWAR,
 BEKAS LOMBONG, TANGKI SIMEN DAN KANDANG MENGIKUT SPESIS IKAN, 2000
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS AND CAGES,
 EX-MINING POOLS, CEMENT TANKS AND PEN CULTURE BY FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Spesis Species	Sistem Ternakan Culture system					Jumlah Total
	Kolam Air tawar Freshwater Ponds	Sangkar Air tawar Freshwater Cages	Bekas Lombong Ex-Mining Pools	Tangki Simen Cement Tanks	Kandang Pen Culture	
Lampam Jawa Javanese Carp	6,099.80	173.70	1,603.51	0.00	125.43	8,002.44
Lee Koh Common Carp	5,118.98	0.40	924.81	0.00	7.59	6,051.78
Kap Rumput Grass Carp	4,449.39	190.24	2,043.49	0.00	62.55	6,745.67
Kap Kepala Besar Big Head Carp	788.27	3.52	3,810.52	0.00	14.80	4,617.11
Udang Galah Giant Freshwater Prawn	32,997.63	0.00	0.00	0.00	0.00	32,997.63
Tilapia Hitam Black Tilapia	15,550.79	433.53	2,415.05	101.38	19.35	18,520.10
Tilapia Merah Red Tilapia	49,490.28	13,194.12	9,379.47	3,376.02	1,342.48	76,782.37
Jelawat River Carp	2,907.21	50.58	675.19	0.00	32.66	3,665.64
Keli Freshwater Catfish	29,173.74	0.00	17.36	559.06	1.70	29,751.86
Ketutu Goby	6,333.43	24.75	0.00	0.00	0.00	6,358.18
Belut Eel	56,469.60	0.00	0.00	0.00	0.00	56,469.60
Patin River Catfish	4,624.89	8,128.76	200.86	1.32	480.08	13,435.91
Toman Giant Snakehead	8,354.94	0.00	0.00	0.00	0.00	8,354.94
Baung River Catfish	2,770.46	1,693.31	35.40	0.00	320.97	4,820.14
Pelbagai Others	26,519.27	339.60	1,514.40	25.58	8.53	28,407.38
Jumlah Total	251,648.68	24,232.51	22,620.06	4,063.36	2,416.14	304,980.75

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM DAN SANGKAR AIR TAWAR,
 BEKAS LOMBONG, TANGKI SIMEN DAN KANDANG MENGIKUT SPESIS IKAN, 2000
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS AND CAGES,
 EX-MINING POOLS, CEMENT TANKS AND PEN CULTURE BY FISH SPECIES, 2000
 (NILAI DALAM TAN METRIK/VALUE IN TONNES)

Spesis Species	Sistem Ternakan Culture system					Jumlah Total
	Kolam Air tawar Freshwater Ponds	Sangkar Air tawar Freshwater Cages	Bekas Lombong Ex-Mining Pools	Tangki Simen Cement Tanks	Kandang Pen Culture	
Lampam Jawa Javanese Carp	8,372.00	204.28	2,375.88	0.00	179.03	11,131.19
Lee Koh Common Carp	6,801.95	0.65	1,383.59	0.00	11.34	8,197.53
Kap Rumput Grass Carp	6,466.59	285.18	3,088.75	0.00	95.29	9,935.81
Kap Kepala Besar Big Head Carp	1,013.75	6.12	6,213.99	0.00	24.16	7,258.02
Udang Galah Giant Freshwater Prawn	38,723.20	0.00	0.00	0.00	0.00	38,723.20
Tilapia Hitam Black Tilapia	19,540.92	542.10	3,486.93	129.92	27.21	23,727.08
Tilapia Merah Red Tilapia	66,132.20	18,093.88	13,247.14	4,620.35	1,781.44	103,875.01
Jelawat River Carp	3,929.75	75.79	1,066.82	0.00	51.79	5,124.15
Keli Freshwater Catfish	46,295.77	0.00	27.54	815.37	2.65	47,141.33
Ketutu Goby	7,461.13	27.04	0.00	0.00	0.00	7,488.17
Belut Eel	75,299.40	0.00	0.00	0.00	0.00	75,299.40
Patin River Catfish	5,969.23	10,901.08	276.43	1.76	650.67	17,799.17
Toman Giant Snakehead	11,421.10	0.00	0.00	0.00	0.00	11,421.10
Baung River Catfish	3,697.58	2,324.40	48.21	0.00	407.45	6,477.64
Pelbagai Others	39,344.01	525.20	2,389.54	36.73	12.58	42,308.06
Jumlah Total	340,468.58	32,985.72	33,604.82	5,604.13	3,243.61	415,906.86

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI KOLAM DAN SANGKAR AIR PAYAU/MASIN,
TERNAKAN KERANG, TERNAKAN SIPUT SUDU, TERNAKAN TIRAM DAN TERNAKAN RUMPAI LAUT MENGIKUT SPESIS IKAN, 2000
ESTIMATED FISH PRODUCTION FROM BRACKISHWATER PONDS AND CAGES,
COCKLE CULTURE, MUSSEL CULTURE, OYSTER CULTURE AND SEAWEED CULTURE BY FISH SPECIES, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Spesis Species	Sistem Ternakan Culture system						Jumlah Total
	Kolam Air payau Brackishwater Ponds	Sangkar Air payau Brackishwater Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	Rumpai Laut (Basah) Seaweed (wet)	
Siakap							
<i>Barramundi</i>	1,035.02	2,393.41	0.00	0.00	0.00	0.00	3,428.43
Siakap Merah							
<i>Mangrove Red Snapper</i>	0.00	1,818.05	0.00	0.00	0.00	0.00	1,818.05
Kerapu							
<i>Grouper</i>	60.75	1,156.81	0.00	0.00	0.00	0.00	1,217.56
Jenahak							
<i>Mangrove Snapper</i>	155.87	978.30	0.00	0.00	0.00	0.00	1,134.17
Udang Putih							
<i>Banana Prawn</i>	353.75	0.00	0.00	0.00	0.00	0.00	353.75
Udang Harimau							
<i>Tiger Prawn</i>	15,539.64	0.00	0.00	0.00	0.00	0.00	15,539.64
Ketam							
<i>Mud Crab</i>	19.07	191.51	0.00	0.00	0.00	0.00	210.58
Ketam Telur							
<i>Berried crabs</i>	0.00	14.78	0.00	0.00	0.00	0.00	14.78
Tilapia Merah							
<i>Red Tilapia</i>	49.90	144.22	0.00	0.00	0.00	0.00	194.12
Merah							
<i>Red Snapper</i>	0.00	132.93	0.00	0.00	0.00	0.00	132.93
Kerang Dewasa							
<i>Cockles</i>	0.00	0.00	64,396.25	0.00	0.00	0.00	64,396.25
Siput sudu							
<i>Mussels</i>	0.00	0.00	0.00	11,068.91	0.00	0.00	11,068.91
Tiram							
<i>Oysters</i>	0.00	0.00	0.00	0.00	231.83	0.00	231.83
Rumpai laut							
<i>Seaweed</i>	0.00	0.00	0.00	0.00	0.00	16,124.80	16,124.80
Pelbagai							
<i>Others</i>	204.19	1,135.57	0.00	0.00	0.00	0.00	1,339.76
Jumlah Total	17,418.19	7,965.58	64,396.25	11,068.91	231.83	16,124.80	117,205.56

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM DAN SANGKAR AIR PAYAU/ MASIN.
 TERNAKAN KERANG, TERNAKAN SIPUT SUDU, TERNAKAN TIRAM DAN TERNAKAN RUMPAI LAUT MENGIKUT SPESIS IKAN, 2000
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS AND CAGES,
 COCKLE CULTURE, MUSSEL CULTURE, OYSTER CULTURE AND SEAWEED CULTURE BY FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Spesis Species	Sistem Ternakan Culture system						Jumlah Total
	Kolam Air payau Brackishwater Ponds	Sangkar Air payau Brackishwater Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	Rumpai Laut (basah) Seaweed (wet)	
Siakap Barramundi	13,827.03	29,269.85	0.00	0.00	0.00	0.00	43,096.88
Siakap Merah Mangrove Red Snapper	0.00	15,559.86	0.00	0.00	0.00	0.00	15,559.86
Kerapu Grouper	1,886.01	24,407.68	0.00	0.00	0.00	0.00	26,293.69
Jenahak Mangrove Snapper	2,660.70	15,585.89	0.00	0.00	0.00	0.00	18,246.59
Udang Putih Banana Prawn	11,530.88	0.00	0.00	0.00	0.00	0.00	11,530.88
Udang Harimau Tiger Prawn	461,913.03	0.00	0.00	0.00	0.00	0.00	461,913.03
Ketam Mud Crab	195.79	2,444.29	0.00	0.00	0.00	0.00	2,640.08
Ketam Telur Berried crabs	0.00	266.04	0.00	0.00	0.00	0.00	266.04
Tilapia Merah Red Tilapia	289.63	709.27	0.00	0.00	0.00	0.00	998.90
Merah Red Snapper	0.00	1,931.90	0.00	0.00	0.00	0.00	1,931.90
Kerang Dewasa Cockles	0.00	0.00	50,653.61	0.00	0.00	0.00	50,653.61
Siput sudu Mussels	0.00	0.00	0.00	5,488.89	0.00	0.00	5,488.89
Tiram Oysters	0.00	0.00	0.00	0.00	1,708.06	0.00	1,708.06
Rumpai laut Seaweed	0.00	0.00	0.00	0.00	0.00	6,933.66	6,933.66
Pelbagai Others	2,884.24	15,195.83	0.00	0.00	0.00	0.00	18,080.07
Jumlah Total	495,187.31	105,370.61	50,653.61	5,488.89	1,708.06	6,933.66	665,342.14

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM DAN SANGKAR AIR PAYAU /MASIN,
 TERNAKAN KERANG, TERNAKAN SIPUT SUDU, TERNAKAN TIRAM DAN TERNAKAN RUMPAI LAUT MENGIKUT SPESIS IKAN, 2000
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS AND CAGES,
 COCKLE CULTURE, MUSSEL CULTURE, OYSTER CULTURE AND SEAWEED CULTURE BY FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Spesis Species	Sistem Ternakan Culture system						Jumlah Total
	Kolam Air payau Brackishwater Ponds	Sangkar Air payau Brackishwater Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	Rumpai Laut (basah) Seaweed (wet)	
Siakap <i>Barramundi</i>	17,626.90	36,575.89	0.00	0.00	0.00	0.00	54,202.79
Siakap Merah <i>Mangrove Red Snapper</i>	0.00	19,571.77	0.00	0.00	0.00	0.00	19,571.77
Kerapu <i>Grouper</i>	2,287.46	29,917.27	0.00	0.00	0.00	0.00	32,204.73
Jenahak <i>Mangrove Snapper</i>	3,505.52	20,065.08	0.00	0.00	0.00	0.00	23,570.60
Udang Putih <i>Banana Prawn</i>	13,671.21	0.00	0.00	0.00	0.00	0.00	13,671.21
Udang Harimau <i>Tiger Prawn</i>	557,597.85	0.00	0.00	0.00	0.00	0.00	557,597.85
Ketam <i>Mud Crab</i>	263.02	3,181.35	0.00	0.00	0.00	0.00	3,444.37
Ketam Telur <i>Berried crabs</i>	0.00	310.38	0.00	0.00	0.00	0.00	310.38
Tilapia Merah <i>Red Tilapia</i>	352.23	984.10	0.00	0.00	0.00	0.00	1,336.33
Merah <i>Red Snapper</i>	0.00	2,104.97	0.00	0.00	0.00	0.00	2,104.97
Kerang Dewasa <i>Cockles</i>	0.00	0.00	75,095.55	0.00	0.00	0.00	75,095.55
Siput sudu <i>Mussels</i>	0.00	0.00	0.00	8,933.60	0.00	0.00	8,933.60
Tiram <i>Oysters</i>	0.00	0.00	0.00	0.00	2,199.76	0.00	2,199.76
Rumpai laut <i>Seaweed</i>	0.00	0.00	0.00	0.00	0.00	10,158.62	10,158.62
Pelbagai <i>Others</i>	3,729.04	19,295.47	0.00	0.00	0.00	0.00	23,024.51
Jumlah <i>Total</i>	599,033.23	132,006.28	75,095.55	8,933.60	2,199.76	10,158.62	827,427.04

JADUAL(TABLE) 15.1

MALAYSIA
BILANGAN DAN LUAS KOLAM AIR TAWAR YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF FRESHWATER PONDS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Kolam Air tawar Freshwater Ponds		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (ha) Area(ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	193	26.76	108	4	0	6	118
Kedah	1,656	190.07	599	137	0	14	750
Pulau Pinang	98	18.63	28	5	0	3	36
Perak	2,393	670.01	909	172	7	11	1,099
Selangor	1,697	292.49	385	153	37	70	645
Negeri Sembilan	2,077	451.82	849	173	10	27	1,059
Melaka	526	113.02	225	47	1	2	275
Johor	2,210	289.01	252	140	3	24	419
Pahang	3,109	983.05	1,309	125	17	20	1,471
Terengganu	1,373	118.23	678	3	0	0	681
Kelantan	1,884	195.33	1,149	8	0	0	1,157
Sarawak	2,464	226.22	77	162	0	1,492	1,731
Sabah	16,475	1,491.36	106	855	0	4,643	5,604
Jumlah/Total	36,155	5,066.00	6,674	1,984	75	6,312	15,045

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI KOLAM AIR TAWAR
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS
BY STATE AND FISH SPECIES, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	7.71	16.06	0.00	66.07	0.00	0.00	0.00	0.00	0.00	13.96	103.80
Kedah	60.32	11.53	4.35	2.08	17.56	32.53	173.27	4.98	626.53	0.00	0.00	2.25	0.00	4.46	61.02	1,000.88
Pulau Pinang	2.28	0.00	0.00	0.00	0.00	0.00	5.84	0.00	224.58	0.00	0.00	0.00	0.00	0.00	3.79	236.49
Perak	487.29	155.85	509.43	57.17	60.45	5.63	2,014.80	129.81	1,608.93	0.00	0.00	0.00	0.00	47.47	326.95	5,403.78
Selangor	26.94	19.80	59.14	4.13	0.00	54.31	501.11	9.67	3,887.96	0.74	0.00	305.16	0.00	145.73	747.64	5,762.33
Negeri Sembilan	56.89	7.15	41.13	1.95	133.02	23.28	982.17	2.61	250.94	1.09	0.00	9.00	0.00	0.00	40.46	1,549.69
Melaka	27.82	0.90	8.87	1.93	2.77	43.07	100.05	4.10	753.22	0.00	0.00	4.39	0.00	0.00	204.02	1,151.14
Johor	12.00	4.65	19.58	0.76	12.91	6.36	790.76	0.00	1,899.10	59.43	0.00	71.06	1,159.69	66.91	104.82	4,208.03
Pahang	176.58	189.45	273.16	9.94	1,108.15	0.11	1,695.66	19.12	78.68	81.00	1,980.00	137.95	81.95	0.00	6,955.80	12,787.55
Terengganu	38.62	10.70	7.06	0.61	0.00	30.86	151.10	4.27	31.41	0.00	0.00	27.44	0.00	30.76	7.90	340.73
Kelantan	69.85	9.96	16.98	0.53	0.00	50.02	145.32	40.61	79.13	0.69	0.00	46.84	0.00	12.36	34.57	506.86
Sarawak	57.80	43.90	14.75	0.60	0.00	0.39	136.80	166.50	11.60	0.00	0.00	67.60	0.00	0.00	78.26	578.20
Sabah	198.00	303.00	16.00	47.00	2.80	1,827.00	2,563.00	10.00	219.00	37.00	0.00	0.00	0.00	0.00	0.50	5,223.30
Jumlah/Total	1,214.39	756.89	970.45	126.70	1,337.66	2,081.27	9,275.94	391.67	9,737.15	179.95	1,980.00	671.69	1,241.64	307.69	8,579.69	38,852.78

Nota: Pelbagai - Termasuk ikan Haruan, Sepat Siam dan lain lain

Note: Miscellaneous - Includes Snake Head, Snakeskin Gouramy and Others

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIR TAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 2000
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS
 BY STATE AND FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/VALUE IN RM '000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	26.99	64.24	0.00	198.21	0.00	0.00	0.00	0.00	0.00	41.88	331.32
Kedah	236.45	56.73	26.01	7.47	442.34	121.66	727.73	42.53	1,979.83	0.00	0.00	16.74	0.00	39.47	202.59	3,899.55
Pulau Pinang	7.62	0.00	0.00	0.00	0.00	0.00	25.46	0.00	624.33	0.00	0.00	0.00	0.00	0.00	11.67	669.08
Perak	1,983.27	649.89	2,297.53	146.36	1,652.10	18.02	7,756.98	711.36	4,553.27	0.00	0.00	0.00	0.00	403.97	817.38	20,990.13
Selangor	146.55	84.94	286.83	11.52	0.00	180.85	2,265.02	82.49	11,819.40	38.15	0.00	781.21	0.00	1,362.58	2,467.21	19,526.75
Negeri Sembilan	212.20	26.17	159.58	5.05	2,996.94	73.33	3,722.42	12.55	785.44	29.43	0.00	24.12	0.00	0.00	103.98	8,151.21
Malaka	110.17	3.79	38.67	3.63	71.13	145.58	415.21	17.75	1,890.58	0.00	0.00	12.60	0.00	0.00	977.26	3,686.37
Johor	44.04	21.16	68.53	3.04	319.52	24.04	3,479.34	0.00	5,469.41	2,565.00	0.00	334.69	7,990.26	645.01	509.43	21,473.47
Pahang	852.88	844.95	1,166.39	37.47	27,493.20	0.88	8,274.82	229.44	236.04	2,573.37	56,469.60	1,462.27	364.68	0.00	20,589.17	120,595.16
Terengganu	168.77	40.66	33.68	2.91	0.00	137.02	679.95	28.27	135.06	0.00	0.00	155.86	0.00	207.94	22.12	1,612.24
Kelantan	349.25	53.39	101.54	2.32	0.00	204.08	685.91	320.82	311.77	17.48	0.00	215.00	0.00	111.49	144.50	2,517.55
Sarawak	404.60	307.30	110.63	4.50	0.00	2.34	889.20	1,332.00	75.40	0.00	0.00	1,622.40	0.00	0.00	626.08	5,374.45
Sabah	1,584.00	3,030.00	160.00	564.00	22.40	14,616.00	20,504.00	130.00	1,095.00	1,110.00	0.00	0.00	0.00	0.00	6.00	42,821.40
Jumlah/Total	6,099.80	5,118.98	4,449.39	788.27	32,997.63	15,550.79	49,490.28	2,907.21	29,173.74	6,333.43	56,469.60	4,624.89	8,354.94	2,770.46	26,519.27	251,648.68

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan Lain - lain

Note: Miscellaneous - Includes Snake Head, Snake skin Gouramy and Others.

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIR TAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 2000
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS
 BY STATE AND FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/VALUE IN RM '000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant Snake Head	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Pertis	0.00	0.00	0.00	0.00	0.00	36.01	85.60	0.00	286.08	0.00	0.00	0.00	0.00	0.00	62.82	470.51
Kedah	320.90	84.75	33.15	9.78	535.40	166.23	989.37	60.81	3,138.92	0.00	0.00	23.00	0.00	54.14	281.30	5,697.75
Pulau Pinang	10.97	0.00	0.00	0.00	0.00	0.00	34.28	0.00	1,111.67	0.00	0.00	0.00	0.00	0.00	19.48	1,176.40
Perak	2,952.98	970.95	3,499.78	238.97	2,060.74	26.24	11,000.81	1,128.05	7,159.74	0.00	0.00	0.00	0.00	550.18	1,307.80	30,896.24
Selangor	198.28	145.33	372.58	15.86	0.00	230.27	3,071.80	108.88	18,428.93	41.68	0.00	1,238.95	0.00	1,783.74	3,738.20	29,374.50
Negeri Sembilan	347.03	46.26	243.90	8.78	3,764.47	111.51	5,765.34	22.65	1,470.51	37.33	0.00	45.45	0.00	0.00	200.68	12,063.91
Melaka	155.79	5.54	52.24	5.08	85.90	204.58	566.28	23.74	3,261.44	0.00	0.00	19.54	0.00	0.00	1,572.99	5,953.12
Johor	68.04	33.62	115.13	4.56	372.58	36.57	5,116.22	0.00	9,020.73	3,022.02	0.00	448.39	10,866.30	881.87	679.23	30,665.26
Pahang	1,096.56	1,362.15	1,638.96	60.93	31,859.31	0.94	10,886.14	325.04	393.40	3,043.98	75,299.40	1,971.31	554.80	0.00	30,466.40	158,959.32
Terengganu	188.47	49.54	39.75	3.43	0.00	169.73	865.80	32.58	147.00	0.00	0.00	179.73	0.00	286.99	34.68	1,997.70
Kelantan	474.98	72.71	131.60	2.96	0.00	286.11	889.36	413.00	458.95	21.12	0.00	285.26	0.00	140.66	190.83	3,367.54
Sarawak	578.00	395.10	147.50	5.40	0.00	2.73	1,231.20	1,665.00	104.40	0.00	0.00	1,757.60	0.00	0.00	782.60	6,669.53
Sabah	1,980.00	3,636.00	192.00	658.00	44.80	18,270.00	25,630.00	150.00	1,314.00	1,295.00	0.00	0.00	0.00	0.00	7.00	53,176.80
Jumlah/Total	8,372.00	6,801.95	6,466.59	1,013.75	38,723.20	19,540.92	66,132.20	3,929.75	46,295.77	7,461.13	75,299.40	5,969.23	11,421.10	3,697.58	39,344.01	340,468.58

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan Lain - lain

Note: Miscellaneous - Includes Snake Head, Snake skin Gouramy and Others.

JADUAL(TABLE) 16.1

MALAYSIA
BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF EX-MINING POOLS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Bekas Lombong Ex-Mining Pools		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (ha) Area(ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	1	4.10	0	1	0	0	1
Pulau Pinang	0	0.00	0	0	0	0	0
Perak	250	1,045.93	44	97	0	9	150
Selangor	108	211.38	38	14	1	3	56
Negeri Sembilan	0	0.00	0	0	0	0	0
Melaka	0	0.00	0	0	0	0	0
Johor	0	0.00	0	0	0	0	0
Pahang	20	374.00	295	0	0	0	295
Terengganu	0	0.00	0	0	0	0	0
Kelantan	0	0.00	0	0	0	0	0
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total	379	1,635.41	377	112	1	12	502

JADUAL(TABLE)16.2

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI BEKAS LOMBONG
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND FISH SPECIES,2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Commom Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Patin River Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.74	0.00	0.35	0.00	0.00	0.10	0.94	0.52	0.00	0.00	0.40	3.05
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	375.88	219.67	425.94	1,471.31	0.00	703.42	2,210.42	120.22	0.00	4.16	464.17	5,995.19
Selangor	8.51	2.05	18.11	10.88	9.27	49.17	187.25	1.40	4.26	0.00	78.82	369.72
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	5.07	0.00	7.63	3.61	16.71	0.00	3.90	0.00	1.47	0.00	31.26	69.65
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	390.20	221.72	452.03	1,485.80	25.98	752.69	2,402.51	122.14	5.73	4.16	574.65	6,437.61

Nota: Pelbagai-Termasuk Ikan Haruan, Sepat Siam dan lain Lain

Note: Micellaneous-Includes SnakeHead, Snakeskin Gouramy and others

JADUAL(TABLE) 16.3

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI BEKAS LOMBONG
MENGIKUT NEGERI DAN SPESIS IKAN 2000
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Baung River Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	2.90	0.00	2.09	0.00	0.00	0.37	3.95	4.44	0.00	0.00	1.33	15.08
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	1,529.83	916.02	1,920.99	3,766.55	35.40	2,250.94	8,510.12	658.81	0.00	0.00	1,160.43	20,749.09
Selangor	46.29	8.79	87.83	30.36	0.00	163.74	846.37	11.94	12.95	23.73	260.11	1,492.11
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	24.49	0.00	32.58	13.61	0.00	0.00	19.03	0.00	4.41	177.13	92.53	363.78
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	1,603.51	924.81	2,043.49	3,810.52	35.40	2,415.05	9,379.47	675.19	17.36	200.86	1,514.40	22,620.06

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan lain lain

Note: Miscellaneous - Includes Snake Head, Snake Skin Gouramy and Others

JADUAL(TABLE) 16.4

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI BEKAS LOMBONG
MENGIKUT NEGERI DAN SPESIS IKAN 2000
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Baung River Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	3.94	0.00	2.67	0.00	0.00	0.51	5.37	6.35	0.00	0.00	1.84	20.68
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	2,277.83	1,368.54	2,926.21	6,150.08	48.21	3,277.94	12,068.89	1,044.71	0.00	0.00	1,856.68	31,019.09
Selangor	62.63	15.05	114.09	41.78	0.00	208.48	1,147.84	15.76	20.19	37.64	394.10	2,057.56
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	31.48	0.00	45.78	22.13	0.00	0.00	25.04	0.00	7.35	238.79	136.92	507.49
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	2,375.88	1,383.59	3,088.75	6,213.99	48.21	3,486.93	13,247.14	1,066.82	27.54	276.43	2,389.54	33,604.82

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan lain lain

Note: Miscellaneous - Includes Snake Head, Snake Skin Gouramy and Others

JADUAL(TABLE) 17.1

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIR TAWAR YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF FRESHWATER CAGES IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Sangkar Air tawar Freshwater Cages		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	300	2,700.00	0	0	0	6	6
Kedah	420	4,016.00	12	0	0	9	21
Pulau Pinang	9	67.00	2	0	0	0	2
Perak	439	15,600.00	39	2	0	0	41
Selangor	177	4,293.60	6	3	0	2	11
Negeri Sembilan	1,020	14,682.00	1	4	0	0	5
Melaka	291	6,314.00	1	2	0	0	3
Johor	220	2,353.20	8	1	0	4	13
Pahang	2714	40,464.80	618	10	0	91	719
Terengganu	1473	35,250.47	186	5	0	1	192
Kelantan	273	6,662.24	73	0	0	0	73
Sarawak	2,750	60,000.00	65	0	0	84	149
Sabah	186	2,350.11	10	3	0	3	16
Jumlah/Total	10,272	194,753.42	1,021	30	0	200	1,251

JADUAL(TABLE)17.2

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIR TAWAR
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES
BY STATE AND FISH SPECIES,2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Commom Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	12.95	0.00	0.00	0.00	0.00	0.20	13.15
Kedah	0.00	0.00	0.00	0.00	0.00	0.83	56.97	0.00	0.00	0.00	0.00	0.15	57.95
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	3.20	0.00	0.13	0.00	0.00	0.00	91.49	2.88	4.37	0.00	20.18	3.91	126.16
Selangor	0.98	0.00	0.00	0.00	0.48	0.84	50.25	0.30	8.84	0.00	0.00	2.68	64.37
Negeri Sembilan	0.00	0.00	37.35	1.36	0.00	0.00	484.45	3.15	2.93	0.00	0.00	2.00	531.24
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	38.44	0.00	6.10	0.00	0.00	15.60	60.14
Johor	0.00	0.00	0.00	0.00	0.00	0.00	16.01	0.00	1.86	0.00	2.51	3.17	23.55
Pahang	4.66	0.09	10.35	0.00	0.00	0.00	351.84	0.00	720.27	0.00	6.35	30.37	1,123.93
Terengganu	30.02	0.00	0.00	0.00	0.00	9.08	625.67	2.20	66.41	0.00	209.37	47.53	990.28
Kelantan	0.33	0.00	0.09	0.00	0.00	0.36	22.34	0.32	9.47	0.00	0.00	0.39	33.30
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	825.00	0.00	0.00	0.00	0.00	0.00	825.00
Sabah	0.00	0.00	0.00	0.00	0.00	48.23	32.15	0.00	0.00	0.00	0.00	0.00	80.38
Jumlah/Total	39.19	0.09	47.92	1.36	0.48	59.34	2,607.56	8.85	820.25	0.00	238.41	106.00	3,929.45

Nota: Pelbagai-Termasuk Ikan Haruan, Sepat siam dan lain Lain

Note: Micellaneous-Includes SnakeHead, Snakeskin Gouramy and others

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIR TAWAR
MENGIKUT NEGERI DAN SPESIS IKAN 2000
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	51.80	0.00	0.00	0.00	0.00	0.60	52.40
Kedah	0.00	0.00	0.00	0.00	0.00	3.10	239.27	0.00	0.00	0.00	0.00	0.50	242.87
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	13.02	0.00	0.59	0.00	0.00	0.00	352.24	15.78	16.47	0.00	171.73	9.78	579.61
Selangor	5.33	0.00	0.00	0.00	24.75	2.80	227.13	2.56	22.63	0.00	0.00	8.84	294.04
Negeri Sembilan	0.00	0.00	144.92	3.52	0.00	0.00	1,836.07	15.15	7.85	0.00	0.00	5.14	2,012.65
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	159.53	0.00	17.51	0.00	0.00	74.72	251.76
Johor	0.00	0.00	0.00	0.00	0.00	0.00	70.44	0.00	8.76	0.00	24.20	15.41	118.81
Pahang	22.51	0.40	44.19	0.00	0.00	0.00	1,716.98	0.00	7,634.86	0.00	82.04	89.90	9,590.88
Terengganu	131.19	0.00	0.00	0.00	0.00	40.32	2,815.52	14.56	377.21	0.00	1,415.34	133.08	4,927.22
Kelantan	1.65	0.00	0.54	0.00	0.00	1.47	105.44	2.53	43.47	0.00	0.00	1.63	156.73
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	5,362.50	0.00	0.00	0.00	0.00	0.00	5,362.50
Sabah	0.00	0.00	0.00	0.00	0.00	385.84	257.20	0.00	0.00	0.00	0.00	0.00	643.04
Jumlah/Total	173.70	0.40	190.24	3.52	24.75	433.53	13,194.12	50.58	8,128.76	0.00	1,693.31	339.60	24,232.51

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan Lain - lain

Note: Miscellaneous - Includes Snake Head, Snake skin Gouramy and Others.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIR TAWAR
MENGIKUT NEGERI DAN SPESIS IKAN 2000
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	69.02	0.00	0.00	0.00	0.00	0.90	69.92
Kedah	0.00	0.00	0.00	0.00	0.00	4.24	325.30	0.00	0.00	0.00	0.00	0.69	330.23
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	19.39	0.00	0.89	0.00	0.00	0.00	499.54	25.03	26.18	0.00	233.89	15.64	820.56
Selangor	7.21	0.00	0.00	0.00	27.04	3.56	308.03	3.38	35.89	0.00	0.00	13.40	398.51
Negeri Sembilan	0.00	0.00	221.49	6.12	0.00	0.00	2,843.72	27.34	14.80	0.00	0.00	9.92	3,123.39
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	217.57	0.00	27.15	0.00	0.00	120.28	365.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	103.58	0.00	11.74	0.00	33.08	20.54	168.94
Pahang	28.94	0.65	62.10	0.00	0.00	0.00	2,258.81	0.00	10,292.66	0.00	104.01	133.02	12,880.19
Terengganu	146.50	0.00	0.00	0.00	0.00	49.94	3,585.09	16.79	434.99	0.00	1,953.42	208.66	6,395.39
Kelantan	2.24	0.00	0.70	0.00	0.00	2.06	136.72	3.25	57.67	0.00	0.00	2.15	204.79
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	7,425.00	0.00	0.00	0.00	0.00	0.00	7,425.00
Sabah	0.00	0.00	0.00	0.00	0.00	482.30	321.50	0.00	0.00	0.00	0.00	0.00	803.80
Jumlah/Total	204.28	0.65	285.18	6.12	27.04	542.10	18,093.88	75.79	10,901.08	0.00	2,324.40	525.20	32,985.72

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan Lain - lain

Note: Miscellaneous - Includes Snake Head, Snake skin Gouramy and Others.

JADUAL (TABLE) 18.1

MALAYSIA
BILANGAN DAN LUAS TANGKI SIMEN YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF CEMENT TANKS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Tangki Simen Cement tanks		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area (M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	9	145.00	2	0	0	1	3
Kedah	27	1,254.20	10	0	0	0	10
Pulau Pinang	0	0.00	0	0	0	0	0
Perak	50	11,900.00	13	1	0	0	14
Selangor	141	24,472.88	17	6	1	1	25
Negeri Sembilan	162	5,653.37	26	0	0	1	27
Melaka	5	220.32	2	0	0	0	2
Johor	139	3,236.73	28	0	0	0	28
Pahang	75	733.38	32	1	0	0	33
Terengganu	206	3,627.75	79	1	0	0	80
Kelantan	56	998.74	30	0	0	0	30
Sarawak	0	0.00	0	0	0	0	0
Sabah	153	4,470.38	2	2	0	29	33
Jumlah/Total	1,023	56,712.75	241	11	1	32	285

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI TANGKI SIMEN
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED FISH PRODUCTION OF FISH FROM CEMENT TANKS
BY STATE AND FISH SPECIES,2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

JADUAL(TABLE) 18.2

Negeri State	Keli Freshwater Catfish	Tilapia Merah Red Tilapia	Tilapia Hitam Black Tilapia	Patin River Catfish	Lampam Jawa Javanese Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.30	0.45	0.00	0.22	0.00	0.00	0.97
Kedah	4.57	0.04	0.00	0.00	0.00	0.00	4.61
Pulau Pinang	0.10	0.00	0.00	0.00	0.00	0.00	0.10
Perak	4.80	269.53	0.00	0.00	0.00	0.00	274.33
Selangor	18.62	407.68	0.00	0.00	0.00	0.02	426.32
Negeri Sembilan	25.52	0.27	0.06	0.00	0.00	0.00	25.85
Melaka	0.16	0.90	0.02	0.00	0.00	0.00	1.08
Johor	41.12	5.77	0.00	0.00	0.00	1.57	48.46
Pahang	0.00	49.74	0.00	0.00	0.00	6.04	55.78
Terengganu	41.62	0.59	0.00	0.00	0.00	0.00	42.21
Kelantan	24.26	34.82	5.04	0.00	0.00	0.00	64.12
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	6.72	10.07	0.00	0.00	0.00	16.79
Jumlah/total	161.07	776.51	15.19	0.22	0.00	7.63	960.62

Nota: Pelbagai - Termasuk ikan Haruan, Sepat Siam dan lain - lain.

Note: Miscellaneous - Includes Snakehead, Snakeskin Gouramy and Others.

JADUAL(TABLE) 18.3

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI TANGKI SIMEN
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED WHOLESale VALUE OF FISH PRODUCTION FROM CEMENT TANKS
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Keli <i>Freshwater Catfish</i>	Tilapia Merah <i>Red Tilapia</i>	Tilapia Hitam <i>Black Tilapia</i>	Patin <i>River Catfish</i>	Lampam Jawa <i>Javanese Carp</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.90	1.80	0.00	1.32	0.00	0.00	4.02
Kedah	14.44	0.17	0.00	0.00	0.00	0.00	14.61
Pulau Pinang	0.28	0.00	0.00	0.00	0.00	0.00	0.28
Perak	13.58	1,037.69	0.00	0.00	0.00	0.00	1,051.27
Selangor	56.60	1,842.71	0.00	0.00	0.00	0.07	1,899.38
Negeri Sembilan	79.88	1.02	0.19	0.00	0.00	0.00	81.09
Melaka	0.40	3.74	0.07	0.00	0.00	0.00	4.21
Johor	118.43	25.39	0.00	0.00	0.00	7.63	151.45
Pahang	0.00	242.73	0.00	0.00	0.00	17.88	260.61
Terengganu	178.97	2.66	0.00	0.00	0.00	0.00	181.63
Kelantan	95.58	164.35	20.56	0.00	0.00	0.00	280.49
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	53.76	80.56	0.00	0.00	0.00	134.32
Jumlah/total	559.06	3,376.02	101.38	1.32	0.00	25.58	4,063.36

Nota: Pelbagai - Termasuk ikan Haruan, Sepat Siam dan lain - lan.

Note: Miscellaneous - Includes Snakehead, Snakeskin Gouramy and Others.

JADUAL(TABLE) 18.4

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI TANGKI SIMEN
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM CEMENT TANKS
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Keli <i>Freshwater Catfish</i>	Tilapia Merah <i>Red Tilapia</i>	Tilapia Hitam <i>Black Tilapia</i>	Patin <i>River Catfish</i>	Lampam Jawa <i>Javanese Carp</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	1.30	2.40	0.00	1.76	0.00	0.00	5.46
Kedah	22.90	0.23	0.00	0.00	0.00	0.00	23.13
Pulau Pinang	0.50	0.00	0.00	0.00	0.00	0.00	0.50
Perak	21.36	1,471.63	0.00	0.00	0.00	0.00	1,492.99
Selangor	88.26	2,499.08	0.00	0.00	0.00	0.10	2,587.44
Negeri Sembilan	149.55	1.58	0.29	0.00	0.00	0.00	151.42
Melaka	0.69	5.09	0.10	0.00	0.00	0.00	5.88
Johor	195.32	37.33	0.00	0.00	0.00	10.17	242.82
Pahang	0.00	319.33	0.00	0.00	0.00	26.46	345.79
Terengganu	194.78	3.38	0.00	0.00	0.00	0.00	198.16
Kelantan	140.71	213.10	28.83	0.00	0.00	0.00	382.64
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	67.20	100.70	0.00	0.00	0.00	167.90
Jumlah/total	815.37	4,620.35	129.92	1.76	0.00	36.73	5,604.13

Nota: Pelbagai - Termasuk ikan Haruan, Sepat Siam dan lain - lan.

Note: Miscellaneous - Includes Snakehead, Snakeskin Gouramy and Others.

JADUAL(TABLE) 19.1

MALAYSIA
BILANGAN DAN LUAS KANDANG IKAN YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF PEN CULTURE IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Kandang ikan Pen Culture		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (Ha) Area(Ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	14	0.18	0	0	0	3	3
Kedah	33	2.56	13	0	0	2	15
Pulau Pinang	0	0.00	0	0	0	0	0
Perak	122	13.55	83	0	0	0	83
Selangor	0	0.00	0	0	0	0	0
Negeri Sembilan	0	0.00	0	0	0	0	0
Melaka	0	0.00	0	0	0	0	0
Johor	0	0.00	0	0	0	0	0
Pahang	15	1.10	18	0	0	0	18
Terengganu	0	0.00	0	0	0	0	0
Kelantan	525	90.62	402	0	0	0	402
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total	709	108.01	516	0	0	5	521

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KANDANG AIR TAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN, 2000
 ESTIMATED FISH PRODUCTION FROM FRESHWATER PEN CULTURE
 BY STATE AND FISH SPECIES,2000
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Udang Galah Giant Fresh- Water Prawn	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40
Kedah	2.91	0.00	0.00	0.00	0.00	0.99	3.03	0.00	0.39	0.00	0.00	0.00	0.00	1.34	8.66
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	16.16	1.82	13.87	5.78	0.00	1.28	85.42	5.96	0.00	0.00	13.87	0.00	2.93	1.15	148.24
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	9.65	0.00	0.00	0.00	0.00	2.83	212.05	0.00	0.12	0.00	93.20	0.00	32.82	0.00	350.67
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	28.72	1.82	13.87	5.78	0.00	5.10	300.50	5.96	0.51	0.00	107.07	0.00	35.75	2.89	507.97

Nota: Pelbagai-Termasuk Ikan Haruan, Sepat Siam dan lain Lain

Note: Miscellaneous-Includes SnakeHead, Snakeskin Gouramy and Others

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KANDANG AIR TAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 2000
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PEN CULTURE
 BY STATE AND FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumpot Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
Kedah	11.41	0.00	0.00	0.00	0.00	0.00	3.70	12.73	0.00	1.23	0.00	0.00	0.00	4.45	33.52
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	65.77	7.59	62.55	14.80	0.00	0.00	4.10	328.87	32.66	0.00	52.29	0.00	24.93	2.88	596.44
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	48.25	0.00	0.00	0.00	0.00	0.00	11.55	1,000.88	0.00	0.47	427.79	0.00	296.04	0.00	1,784.98
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	125.43	7.59	62.55	14.80	0.00	0.00	19.35	1,342.48	32.66	1.70	480.08	0.00	320.97	8.53	2,416.14

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan Lain - lain

Note: Miscellaneous - Includes Snake Head, Snake skin Gouramy and Others.

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KANDANG AIR TAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 2000
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PEN CULTURE
 BY STATE AND FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80
Kedah	15.48	0.00	0.00	0.00	0.00	0.00	5.06	17.30	0.00	1.95	0.00	0.00	0.00	6.18	45.97
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	97.93	11.34	95.29	24.16	0.00	0.00	5.96	466.39	51.79	0.00	83.08	0.00	33.96	4.60	874.50
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	65.62	0.00	0.00	0.00	0.00	0.00	16.19	1,297.75	0.00	0.70	567.59	0.00	373.49	0.00	2,321.34
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	179.03	11.34	95.29	24.16	0.00	0.00	27.21	1,781.44	51.79	2.65	650.67	0.00	407.45	12.58	3,243.61

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan Lain - lain

Note: Miscellaneous - Includes Snake Head, Snake skin Gouramy and Others.

JADUAL(TABLE) 20.1

MALAYSIA
BILANGAN DAN LUAS KOLAM AIR PAYAU/ MASIN YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF BRACKISHWATER PONDS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Kolam Air payau Brackishwater Ponds		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (Ha) Area(Ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	49	36.50	4	4	0	3	11
Kedah	961	698.64	91	24	1	39	155
Pulau Pinang	209	136.48	21	74	4	24	123
Perak	1,181	930.89	42	47	4	58	151
Selangor	586	287.49	92	32	0	10	134
Negeri Sembilan	84	78.60	0	3	0	0	3
Melaka	90	48.41	14	2	0	3	19
Johor	905	801.24	29	67	1	5	102
Pahang	266	286.34	23	1	3	2	29
Terengganu	287	84.50	59	3	0	0	62
Kelantan	101	38.83	44	2	0	0	46
Sarawak	1,212	705.53	85	69	0	56	210
Sabah	1,492	3,017.62	3	40	0	43	86
Jumlah/Total	7,423	7,151.07	507	368	13	243	1,131

JADUAL (TABLE) 20.2

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI KOLAM AIR PAYAU/MASIN
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED FISH PRODUCTION FROM BRACKISHWATER PONDS
BY STATE AND FISH SPECIES, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	161.00	0.00	0.00	0.00	161.00
Kedah	21.06	0.05	0.00	0.00	485.58	0.90	11.90	2.30	521.79
Pulau Pinang	193.65	19.85	0.00	0.00	125.97	3.65	0.00	10.24	353.36
Perak	27.80	0.00	0.00	0.00	2,657.45	0.00	0.00	0.00	2,685.25
Selangor	211.35	0.00	0.00	0.00	1,356.25	0.00	0.06	0.00	1,567.66
Negeri Sembilan	0.00	0.00	0.00	0.00	269.80	0.00	0.00	0.00	269.80
Melaka	0.00	0.00	0.00	6.80	68.34	0.00	0.00	0.00	75.14
Johor	545.19	40.33	155.87	346.95	2,253.43	0.00	10.30	191.65	3,543.72
Pahang	1.37	0.00	0.00	0.00	2,266.16	0.00	0.00	0.00	2,267.53
Terengganu	15.00	0.52	0.00	0.00	125.44	2.12	3.19	0.00	146.27
Kelantan	6.23	0.00	0.00	0.00	185.78	0.00	8.93	0.00	200.94
Sarawak	13.37	0.00	0.00	0.00	3,520.53	12.40	15.52	0.00	3,561.82
Sabah	0.00	0.00	0.00	0.00	2,063.91	0.00	0.00	0.00	2,063.91
Jumlah/Total	1,035.02	60.75	155.87	353.75	15,539.64	19.07	49.90	204.19	17,418.19

Nota: Pelbagai - Termasuk Ikan tanda, Dengkis, Cermin, Talang dan Lain Lain

Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel, Queenfish and Others

JADUAL(TABLE) 20.3

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIR PAYAU/MASIN
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE ' 000)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	3,488.87	0.00	0.00	0.00	3,488.87
Kedah	240.72	1.17	0.00	0.00	12,435.70	6.85	59.50	6.90	12,750.84
Pulau Pinang	2,478.72	634.01	0.00	0.00	3,566.21	52.52	0.00	368.64	7,100.10
Perak	376.97	0.00	0.00	0.00	82,487.25	0.00	0.00	0.00	82,864.22
Selangor	2,709.51	0.00	0.00	0.00	38,232.69	0.00	0.38	0.00	40,942.58
Negeri Sembilan	0.00	0.00	0.00	0.00	8,048.13	0.00	0.00	0.00	8,048.13
Melaka	0.00	0.00	0.00	85.00	2,021.50	0.00	0.00	0.00	2,106.50
Johor	7,649.02	1,239.74	2,660.70	11,445.88	67,940.91	0.00	53.56	2,508.70	93,498.51
Pahang	15.41	0.00	0.00	0.00	67,418.26	0.00	0.00	0.00	67,433.67
Terengganu	151.65	11.09	0.00	0.00	2,446.08	12.42	14.42	0.00	2,635.66
Kelantan	71.33	0.00	0.00	0.00	6,294.23	0.00	53.13	0.00	6,418.69
Sarawak	133.70	0.00	0.00	0.00	105,615.90	124.00	108.64	0.00	105,982.24
Sabah	0.00	0.00	0.00	0.00	61,917.30	0.00	0.00	0.00	61,917.30
Jumlah/Total	13,827.03	1,886.01	2,660.70	11,530.88	461,913.03	195.79	289.63	2,884.24	495,187.31

Nota: Pelbagai - Termasuk Ikan Banding, Tanda, Dengkis, Cermin, Talang dan Lain Lain

Note: Miscellaneous - Includes Milkfish, Snapper, Rabbitfish, Horse Mackerel, Queenfish and Others

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIR PAYAU/MASIN
MENGIKUT NEGERI DAN SPESIS IKAN,2000
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	4,448.43	0.00	0.00	0.00	4,448.43
Kedah	304.95	1.37	0.00	0.00	15,266.64	12.60	71.40	11.50	15,668.46
Pulau Pinang	2,943.48	726.11	0.00	0.00	4,172.13	62.23	0.00	440.32	8,344.27
Perak	468.43	0.00	0.00	0.00	90,087.56	0.00	0.00	0.00	90,555.99
Selangor	3,326.65	0.00	0.00	0.00	41,894.56	0.00	0.42	0.00	45,221.63
Negeri Sembilan	0.00	0.00	0.00	0.00	9,194.78	0.00	0.00	0.00	9,194.78
Melaka	0.00	0.00	0.00	102.00	2,289.39	0.00	0.00	0.00	2,391.39
Johor	10,080.56	1,547.87	3,505.52	13,569.21	80,560.12	0.00	74.16	3,277.22	112,614.66
Pahang	19.87	0.00	0.00	0.00	76,482.90	0.00	0.00	0.00	76,502.77
Terengganu	169.95	12.11	0.00	0.00	2,629.22	14.59	18.06	0.00	2,843.93
Kelantan	85.72	0.00	0.00	0.00	6,829.27	0.00	64.03	0.00	6,979.02
Sarawak	227.29	0.00	0.00	0.00	126,739.08	173.60	124.16	0.00	127,264.13
Sabah	0.00	0.00	0.00	0.00	97,003.77	0.00	0.00	0.00	97,003.77
Jumlah/Total	17,626.90	2,287.46	3,505.52	13,671.21	557,597.85	263.02	352.23	3,729.04	599,033.23

Nota: Pelbagai - Termasuk Ikan Banding, Tanda, Dengkis, Cermin, Talang dan Lain Lain

Note: Miscellaneous - Includes Milkfish, Snapper, Rabbitfish, Horse Mackerel, Queenfish and Others

JADUAL(TABLE) 21.1

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIR PAYAU YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF BRACKISHWATER CAGES IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Sangkar Air payau Brackishwater Cages		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	50	125.00	0	1	0	0	1
Kedah	3,600	40,680.26	100	21	0	4	125
Pulau Pinang	26,783	246,608.00	123	221	7	4	355
Perak	19,228	169,400.00	5	176	0	0	181
Selangor	6,939	117,505.04	2	32	0	0	34
Negeri Sembilan	15	140.00	1	0	0	0	1
Melaka	163	4,142.12	1	1	0	1	3
Johor	5,897	133,411.94	85	98	3	3	189
Pahang	20	186.00	8	0	0	0	8
Terengganu	1242	19,298.10	102	1	0	0	103
Kelantan	1,734	33,833.93	166	2	0	2	170
Sarawak	858	8,273.50	142	0	0	0	142
Sabah	1,874	71,479.06	67	22	0	188	277
Jumlah/Total	68,403	845,082.95	802	575	10	202	1,589

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIR PAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN,2000
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER CAGES
 BY STATE AND FISH SPECIES, 2000
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah <i>Mangrove Red Snapper</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Ketam Telur <i>Berried Crabs</i>	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	75.00
Kedah	209.17	0.00	170.97	116.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	496.85
Pulau Pinang	465.71	528.03	136.40	78.00	49.37	0.00	0.00	41.27	14.78	0.00	0.00	1,313.56
Perak	244.75	86.18	50.90	49.04	0.00	0.00	0.00	75.24	0.00	10.44	8.70	525.25
Selangor	232.98	1,191.46	33.42	77.21	81.16	0.00	0.00	0.00	0.00	0.00	211.89	1,828.12
Negeri Sembilan	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70
Melaka	3.70	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	59.60	0.00	64.50
Johor	683.24	12.38	339.87	657.34	1.20	0.00	0.00	0.00	0.00	1.00	906.22	2,601.25
Pahang	3.77	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	4.88
Terengganu	150.50	0.00	2.53	0.00	0.00	0.00	0.00	0.00	0.00	67.71	2.62	223.36
Kelantan	106.55	0.00	2.61	0.00	0.00	0.00	0.00	0.00	0.00	5.47	0.79	115.42
Sarawak	45.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	47.10
Sabah	246.94	0.00	420.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60	669.59
Jumlah/Total	2,393.41	1,818.05	1,156.81	978.30	132.93	0.00	0.00	191.51	14.78	144.22	1,135.57	7,965.58

Nota: Pelbagai - Termasuk Ikan Tanda, Dengkis, Cermin, Talang dan Lain Lain

Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel, Queenfish and Others

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIR PAYAU/MASIN
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER CAGES
BY STATE AND FISH SPECIES, 2000
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah <i>Mangrove Red Snapper</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Ketam Telur <i>Berried Crabs</i>	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	859.50	0.00	0.00	0.00	859.50
Kedah	2,390.81	0.00	4,012.67	1,446.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,849.52
Pulau Pinang	5,961.09	6,030.10	4,356.62	1,150.50	774.12	0.00	0.00	593.88	266.04	0.00	0.00	19,132.35
Perak	3,318.81	861.80	1,460.32	794.94	0.00	0.00	0.00	990.91	0.00	49.59	98.57	7,574.94
Selangor	2,986.80	8,507.02	663.72	973.62	1,136.24	0.00	0.00	0.00	0.00	0.00	3,178.35	17,445.75
Negeri Sembilan	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.13
Melaka	51.80	0.00	0.00	0.00	6.54	0.00	0.00	0.00	0.00	315.88	0.00	374.22
Johor	9,585.86	160.94	10,447.60	11,220.79	15.00	0.00	0.00	0.00	0.00	5.20	11,862.42	43,297.81
Pahang	42.41	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	45.80
Terengganu	1,521.56	0.00	53.96	0.00	0.00	0.00	0.00	0.00	0.00	306.05	30.99	1,912.56
Kelantan	1,220.00	0.00	51.10	0.00	0.00	0.00	0.00	0.00	0.00	32.55	5.40	1,309.05
Sarawak	454.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	464.20
Sabah	1,728.58	0.00	3,360.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.80	5,096.78
Jumlah/Total	29,269.85	15,559.86	24,407.68	15,585.89	1,931.90	0.00	0.00	2,444.29	266.04	709.27	15,195.83	105,370.61

Nota: Pelbagai - Termasuk Ikan Tanda, Dengkis, Cermin, Talang dan Lain Lain

Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel, Queenfish and Others

JADUAL(TABLE) 21.4

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIR PAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN, 2000
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER CAGES
 BY STATE AND FISH SPECIES, 2000
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah Mangrove <i>Red Snapper</i>	Kerapu <i>Grouper</i>	Jenahak Mangrove <i>Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Ketam Telur <i>Berried Crabs</i>	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,162.50	0.00	0.00	0.00	1,162.50
Kedah	3,028.78	0.00	4,696.55	1,810.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,535.50
Pulau Pinang	7,078.79	7,096.72	4,989.51	1,319.76	858.05	0.00	0.00	703.65	310.38	0.00	0.00	22,356.86
Perak	4,124.04	1,243.58	1,682.75	991.10	0.00	0.00	0.00	1,315.20	0.00	68.70	127.54	9,552.91
Selangor	3,667.11	11,021.01	766.99	1,160.47	1,217.40	0.00	0.00	0.00	0.00	0.00	3,602.13	21,435.11
Negeri Sembilan	9.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.72
Melaka	61.05	0.00	0.00	0.00	9.82	0.00	0.00	0.00	0.00	485.74	0.00	556.61
Johor	12,633.11	210.46	13,044.21	14,783.58	19.70	0.00	0.00	0.00	0.00	7.20	15,496.36	56,194.62
Pahang	54.67	0.00	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	58.87
Terengganu	1,705.17	0.00	58.92	0.00	0.00	0.00	0.00	0.00	0.00	383.24	36.23	2,183.56
Kelantan	1,466.13	0.00	56.22	0.00	0.00	0.00	0.00	0.00	0.00	39.22	6.58	1,568.15
Sarawak	771.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	785.40
Sabah	1,975.52	0.00	4,620.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40	6,606.47
Jumlah/Total	36,575.89	19,571.77	29,917.27	20,065.08	2,104.97	0.00	0.00	3,181.35	310.38	984.10	19,295.47	132,006.28

Nota: Pelbagai - Termasuk Ikan Tanda, Dengkis, Cermin, Talang dan Lain Lain

Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel, Queenfish and Others

JADUAL(TABLE) 22.1

MALAYSIA
BILANGAN DAN LUAS KAWASAN TERNAKAN KERANG
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF COCKLE CULTURE AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Ternakan Kerang Cockle culture		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (Ha) Area(Ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	2	39.81	1	0	0	1	2
Pulau Pinang	63	800.00	2	27	0	22	51
Perak	163	5,185.77	28	108	0	27	163
Selangor	25	954.07	16	5	0	4	25
Negeri Sembilan	0	0.00	0	0	0	0	0
Melaka	2	20.00	13	2	0	1	16
Johor	3	129.67	2	4	0	1	7
Pahang	0	0.00	0	0	0	0	0
Terengganu	0	0.00	0	0	0	0	0
Kelantan	0	0.00	0	0	0	0	0
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total	258	7,129.32	62	146	0	56	264

MALAYSIA
PENGELUARAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI, 2000
PRODUCTION OF COCKLES BY MONTH AND STATE, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	29.44	22.61	38.30	20.74	19.87	28.22	159.18
Pulau Pinang	921.81	760.38	784.88	915.60	1,149.23	1,114.80	964.43	960.05	1,017.01	1,425.43	1,536.85	1,566.86	13,117.33
Perak	3,339.74	2,923.02	3,636.04	3,668.73	3,578.60	3,556.05	3,708.32	3,879.77	3,967.14	3,939.02	3,840.58	3,345.16	43,382.17
Selangor	1,049.91	254.52	343.63	348.63	412.69	439.45	417.24	610.52	678.19	1,470.97	743.20	715.80	7,484.75
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	4.00	2.00	1.50	1.20	1.50	2.00	3.00	3.00	1.80	20.00
Johor	5.70	9.87	8.17	0.00	3.84	0.66	0.00	8.68	187.20	0.00	6.30	2.40	232.82
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	5,317.16	3,947.79	4,772.72	4,936.96	5,146.36	5,112.46	5,120.63	5,483.13	5,889.84	6,859.16	6,149.80	5,660.24	64,396.25

JADUAL (TABLE) 22.3

MALAYSIA
PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI, 2000
PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	96.08	0.00	0.00	0.00	0.00	0.00	96.08
Perak	0.00	0.00	0.00	92.51	45.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.33
Selangor	48.62	309.66	508.84	707.37	890.18	358.15	0.00	0.00	0.00	0.00	0.00	0.00	2,822.82
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	48.62	309.66	508.84	799.88	936.00	358.15	96.08	0.00	0.00	0.00	0.00	0.00	3,057.23

JADUAL(TABLE) 23.1

MALAYSIA
BILANGAN DAN LUAS KAWASAN TERNAK SIPUT SUDU
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF MUSSEL CULTURE AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Ternakan Siput Sudu Mussel culture		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	8	1,500.00	5	0	0	0	5
Pulau Pinang	0	0.00	0	0	0	0	0
Perak	1	190.00	0	1	0	0	1
Selangor	0	0.00	0	0	0	0	0
Negeri Sembilan	29	4,981.21	25	4	0	0	29
Melaka	63	10,638.62	41	0	0	1	42
Johor	300	56,464.82	51	17	0	1	69
Pahang	5	110.88	3	0	0	0	3
Terengganu	0	0.00	0	0	0	0	0
Kelantan	0	0.00	0	0	0	0	0
Sarawak	0	0.00	0	0	0	0	0
Sabah	137	3,151.20	0	0	0	135	135
Jumlah/Total	543	77,036.73	125	22	0	137	284

MALAYSIA
PENGELUARAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI, 2000
PRODUCTION OF MUSSELS BY MONTH AND STATE, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	2.59	2.94	1.80	3.06	2.55	2.68	2.35	3.17	3.17	3.11	2.80	2.83	33.05
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	2.00	1.00	4.00	41.00	36.00	29.00	26.00	17.50	13.50	6.00	5.00	181.00
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	1.10	0.00	1.40	3.30	1.00	1.35	0.00	0.06	0.00	0.00	0.00	0.00	8.21
Melaka	42.09	14.71	2.80	2.19	1.53	2.68	2.54	2.36	15.85	41.93	44.65	24.53	197.86
Johor	1,645.72	694.06	898.51	826.17	774.76	805.30	880.65	890.03	842.95	786.13	828.34	681.86	10,554.48
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	4.47	0.00	0.00	5.76	7.84	9.66	11.86	9.53	9.84	13.45	9.28	12.62	94.31
Jumlah/Total	1,695.97	713.71	905.51	844.48	828.68	857.67	926.40	931.15	889.31	858.12	891.07	726.84	11,068.91

JADUAL(TABLE) 24.1

MALAYSIA
BILANGAN DAN LUAS KAWASAN TERNAKAN TIRAM
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2000
NUMBER AND AREA OF OYSTER CULTURE AND
NUMBER OF CULTURISTS BY RACE AND STATE, 2000

Negeri State	Ternakan Tiram Oyster culture		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	24	2,458.32	2	0	0	0	2
Pulau Pinang	20	300.00	2	1	0	0	3
Perak	0	0.00	0	0	0	0	0
Selangor	0	0.00	0	0	0	0	0
Negeri Sembilan	0	0.00	0	0	0	0	0
Melaka	0	0.00	0	0	0	0	0
Johor	7	7,000.00	7	0	0	0	7
Pahang	0	0.00	0	0	0	0	0
Terengganu	81	19,549.32	24	0	0	0	24
Kelantan	37	837.22	9	0	0	0	9
Sarawak	0	0.00	0	0	0	0	0
Sabah	145	55,550.00	0	0	0	145	145
Jumlah/Total	314	85,694.86	44	1	0	145	190

JADUAL(TABLE) 24.2

MALAYSIA
PENGELUARAN TIRAM MENGIKUT BULAN DAN NEGERI, 2000
PRODUCTION OF OYSTER BY MONTH AND STATE, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	1.20	0.80	1.50	1.33	1.20	0.12	0.80	1.80	1.00	1.40	1.60	2.00	14.75
Pulau Pinang	0.62	0.60	0.65	0.40	0.50	0.75	0.70	0.75	0.85	0.73	0.80	0.90	8.25
Perak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.51	0.39	0.39	0.41	0.60	0.37	0.23	0.43	0.45	0.39	0.46	0.45	5.08
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	5.43	8.08	8.07	8.07	8.53	8.15	8.00	8.00	8.25	8.25	8.25	8.56	95.64
Kelantan	0.00	1.70	0.12	0.90	0.65	0.00	0.85	0.02	0.37	1.74	0.45	2.15	8.95
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	5.39	0.00	0.00	3.27	7.84	9.26	10.23	11.38	9.84	15.24	10.23	16.48	99.16
Jumlah/Total	13.15	11.57	10.73	14.38	19.32	18.65	20.81	22.38	20.76	27.75	21.79	30.54	231.83

JADUAL (TABLE) 25.1

MALAYSIA
HARGA BORONG IKAN AIR TAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 2000
WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 2000
(RM/KG)

Spesis/Negeri <i>Species/State</i>	Lampam <i>Javanese</i> <i>Carp</i>	Lee <i>Koh</i> <i>Common</i> <i>Carp</i>	Kap <i>Rumput</i> <i>Grass</i> <i>Carp</i>	Kap <i>Kepala</i> <i>Besar</i> <i>Big Head</i> <i>Carp</i>	Udang <i>Galah</i> <i>Giant</i> <i>Fresh-</i> <i>water</i> <i>Prawn</i>	Tilapia <i>Hitam</i> <i>Black</i> <i>Tilapia</i>	Tilapia <i>Merah</i> <i>Red</i> <i>Tilapia</i>	Jelawat <i>River</i> <i>Carp</i>	Keli <i>Fresh-</i> <i>water</i> <i>Catfish</i>	Ketutu <i>Goby</i>	Belut <i>Eel</i>	Patin <i>River</i> <i>Catfish</i>	Toman <i>Giant</i> <i>Snake-</i> <i>Head</i>	Baung <i>River</i> <i>Catfish</i>	Pelbagai <i>Miscell-</i> <i>aneous</i>
Perlis	3.33	3.73	5.50	3.50	17.50	3.50	4.00	8.50	3.00	0.00	0.00	6.00	0.00	0.00	3.00
Kedah	3.92	4.92	5.98	3.59	25.19	3.74	4.20	8.54	3.16	18.21	0.00	7.44	0.00	8.85	3.32
Pulau Pinang	3.34	2.70	0.00	0.00	23.66	3.78	4.36	0.00	2.78	0.00	0.00	0.00	0.00	0.00	3.08
Perak	4.07	4.17	4.51	2.56	27.33	3.20	3.85	5.48	2.83	44.76	3.96	3.77	2.59	8.51	2.50
Selangor	5.44	4.29	4.85	2.79	27.92	3.33	4.52	8.53	3.04	51.56	0.00	2.56	9.00	9.35	3.30
Negeri Sembilan	3.73	3.66	3.88	2.59	22.53	3.15	3.79	4.81	3.13	27.00	0.00	2.68	0.00	8.98	2.57
Melaka	3.96	4.21	4.36	1.88	25.68	3.38	4.15	4.33	2.51	28.39	0.00	2.87	0.00	10.50	4.79
Johor	3.67	4.55	3.50	4.00	24.75	3.78	4.40	6.93	2.88	43.16	0.00	4.71	6.89	9.64	4.86
Pahang	4.83	4.46	4.27	3.77	24.81	8.00	4.88	12.00	3.00	31.77	28.52	10.60	4.45	12.92	2.96
Terengganu	4.37	3.80	4.77	4.77	16.68	4.44	4.50	6.62	4.30	25.47	4.93	5.68	3.80	6.76	2.80
Kelantan	5.00	5.36	5.98	4.37	17.25	4.08	4.72	7.90	3.94	25.33	5.23	4.59	4.34	9.02	4.18
Sarawak	7.00	7.00	7.50	7.50	18.00	6.00	6.50	8.00	6.50	15.00	0.00	24.00	0.00	15.00	8.00
Sabah	8.00	10.00	10.00	12.00	8.00	8.00	8.00	13.00	5.00	30.00	8.00	8.00	0.00	0.00	12.00
Harga Bertimbang <i>Weighted price</i>	4.78	6.17	4.54	2.85	24.67	6.36	5.00	6.93	3.00	35.24	28.52	8.27	6.73	8.23	3.06

Nota: Pelbagai - Termasuk ikan Haruan dan Sepat Siam

Note: Miscellaneous - Includes Snake Head, and Snakeskin Gouramy

JADUAL (TABLE) 25.2

MALAYSIA
HARGA RUNCIT IKAN AIR TAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 2000
RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 2000
(RM/KG)

Spesis/Negeri Species/State	Lampam Jawa <i>Javanese</i> <i>Carp</i>	Lee Koh <i>Common</i> <i>Carp</i>	Kap Rumput <i>Grass</i> <i>Carp</i>	Kap Kepala Besar <i>Big Head</i> <i>Carp</i>	Udang Galah Giant <i>Fresh-</i> <i>water</i> <i>Prawn</i>	Tilapia Hitam <i>Black</i> <i>Tilapia</i>	Tilapia Merah <i>Red</i> <i>Tilapia</i>	Jelawat <i>River</i> <i>Carp</i>	Keli <i>Fresh-</i> <i>water</i> <i>Catfish</i>	Ketutu <i>Goby</i>	Belut <i>Eel</i>	Patin <i>River</i> <i>Catfish</i>	Toman <i>Giant</i> <i>Snake-</i> <i>Head</i>	Baung <i>River</i> <i>Catfish</i>	Pelbagai <i>Miscell-</i> <i>aneous</i>
Perlis	4.67	5.33	7.50	4.50	23.40	4.67	5.33	10.00	4.33	0.00	0.00	8.00	0.00	0.00	4.50
Kedah	5.32	7.35	7.62	4.70	30.49	5.11	5.71	12.21	5.01	29.92	0.00	10.22	0.00	12.14	4.61
Pulau Pinang	4.81	3.00	0.00	0.00	27.85	5.40	5.87	0.00	4.95	0.00	0.00	0.00	0.00	0.00	5.14
Perak	6.06	6.23	6.87	4.18	34.09	4.66	5.46	8.69	4.45	58.30	5.75	5.99	3.95	11.59	4.00
Selangor	7.36	7.34	6.30	3.84	30.79	4.24	6.13	11.26	4.74	56.33	0.00	4.06	11.31	12.24	5.00
Negeri Sembilan	6.10	6.47	5.93	4.50	28.30	4.79	5.87	8.68	5.86	34.25	0.00	5.05	0.00	13.23	4.96
Melaka	5.60	6.16	5.89	2.63	31.01	4.75	5.66	5.79	4.33	45.17	0.00	4.45	0.00	15.08	7.71
Johor	5.67	7.23	5.88	6.00	28.86	5.75	6.47	9.30	4.75	50.85	0.00	6.31	9.37	13.18	6.48
Pahang	6.21	7.19	6.00	6.13	28.75	8.50	6.42	17.00	5.00	37.58	38.03	14.29	6.77	16.38	4.38
Terengganu	4.88	4.63	5.63	5.63	19.21	5.50	5.73	7.63	4.68	28.05	6.80	6.55	5.23	9.33	4.39
Kelantan	6.80	7.30	7.75	5.58	21.47	5.72	6.12	10.17	5.80	30.61	7.23	6.09	5.55	11.38	5.52
Sarawak	10.00	9.00	10.00	9.00	20.00	7.00	9.00	10.00	9.00	18.00	0.00	26.00	0.00	18.00	10.00
Sabah	10.00	12.00	12.00	14.00	16.00	10.00	10.00	15.00	6.00	35.00	10.00	10.00	0.00	0.00	14.00
Harga Bertimbang <i>Weighted price</i>	6.66	8.36	6.69	4.48	28.95	8.14	6.76	9.69	4.76	41.50	38.03	10.95	9.20	11.05	4.56

Nota: Pelbagai - Termasuk ikan Haruan dan Sepat Siam

Note: Miscellaneous - Includes Snake Head, and Snakeskin Gouramy

JADUAL (TABLE) 26.1

MALAYSIA
HARGA BORONG IKAN AIR PAYAU/MASIN DI PASAR - PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 2000
WHOLESALE PRICES OF BRACKISHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 2000
(RM/KG)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah Mangrove Red Snapper	Kerapu <i>Grouper</i>	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Ketam Mud Crab	Ketam Telur Berried Crabs	Udang Harimau Tiger Prawn	Kerang <i>Cockles</i>	Siput Sudu Mussels	Tilapia Merah Red Tilapia	Tiram <i>Oyster</i>	Rumpai Laut Sea- Weeds	Pelbagai <i>Miscell- neous</i>
Perlis	11.83	0.00	22.00	12.50	0.00	22.00	11.46	0.00	21.67	0.75	1.20	0.00	15.00	0.00	0.00
Kedah	11.43	0.00	23.47	12.39	0.00	22.60	7.61	0.00	25.61	0.75	1.09	5.00	15.00	0.00	3.00
Pulau Pinang	12.80	11.42	31.94	14.75	15.68	0.00	14.39	18.00	28.31	0.70	0.00	5.07	16.00	0.00	36.00
Perak	13.56	10.00	28.69	16.21	0.00	0.00	13.17	0.00	31.04	0.80	2.00	4.75	0.00	0.00	11.33
Selangor	12.82	7.14	19.86	12.61	14.00	32.00	12.83	0.00	28.19	0.86	0.00	6.27	0.00	0.00	15.00
Negeri Sembilan	11.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.83	0.00	1.21	7.50	0.00	0.00	0.00
Melaka	14.00	0.00	0.00	15.00	5.45	12.50	0.00	0.00	29.58	1.16	0.96	5.30	0.00	0.00	0.00
Johor	14.03	13.00	30.74	17.07	12.50	32.99	0.00	0.00	30.15	0.80	0.45	5.20	15.00	0.00	13.09
Pahang	11.25	0.00	21.42	11.00	10.58	16.18	8.79	0.00	29.75	1.24	0.00	0.00	0.00	0.00	2.00
Terengganu	10.11	0.00	21.33	0.00	0.00	0.00	5.86	0.00	19.50	0.00	0.00	4.52	10.66	0.00	11.83
Kelantan	11.45	0.00	19.58	0.00	8.75	40.45	8.92	0.00	33.88	2.00	0.00	5.95	6.79	0.00	6.83
Sarawak	10.00	0.00	8.00	7.50	8.00	20.00	10.00	0.00	30.00	0.00	0.00	7.00	0.00	0.00	6.00
Sabah	7.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	1.50	0.00	2.00	0.43	3.00
Harga Bertimbang Weighted price	12.57	8.56	21.60	16.09	14.53	32.60	12.54	18.00	29.72	0.79	0.50	5.15	7.37	0.43	13.50

Nota: Pelbagai - Termasuk ikan Tanda, Dengkis, Cupak/Cermin dan Talang

Note: Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queen fish

JADUAL (TABLE) 26.2

MALAYSIA
HARGA RUNCIT IKAN AIR PAYAU/MASIN DI PASAR - PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 2000
RETAIL PRICES OF BRACKISHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 2000
(RM/KG)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah Mangrove <i>Red Snapper</i>	Kerapu <i>Grouper</i>	Jenahak Mangrove Snapper	Merah <i>Red Snapper</i>	Udang Putih Banana Prawn	Ketam <i>Mud Crab</i>	Ketam Telur Berried Crabs	Udang Harimau Tiger Prawn	Kerang <i>Cockles</i>	Siput Sudu Mussels	Tilapia Merah <i>Red Tilapia</i>	Tiram <i>Oyster</i>	Rumpai Laut Sea- Weeds	Pelbagai <i>Miscell- neous</i>
Perlis	13.83	0.00	26.00	15.00	0.00	25.50	15.50	0.00	27.63	1.20	2.00	0.00	22.50	0.00	0.00
Kedah	14.48	0.00	27.47	15.51	0.00	25.50	14.00	0.00	31.44	1.20	1.73	6.00	23.86	0.00	5.00
Pulau Pinang	15.20	13.44	36.58	16.92	17.38	0.00	17.05	21.00	33.12	0.80	0.00	6.74	16.00	0.00	43.00
Perak	16.85	14.43	33.06	20.21	0.00	0.00	17.48	0.00	33.90	1.26	2.20	6.58	0.00	0.00	14.66
Selangor	15.74	9.25	22.95	15.03	15.00	45.00	16.00	0.00	30.89	1.25	0.00	7.01	0.00	0.00	17.00
Negeri Sembilan	13.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.08	0.00	1.50	9.30	0.00	0.00	0.00
Melaka	16.50	0.00	0.00	18.00	8.18	15.00	0.00	0.00	33.50	1.50	1.35	8.15	0.00	0.00	0.00
Johor	18.49	17.00	38.38	22.49	16.42	39.11	0.00	0.00	35.75	1.56	0.75	7.20	17.00	0.00	17.10
Pahang	14.50	0.00	26.17	14.33	13.50	20.00	12.13	0.00	33.75	1.55	0.00	0.00	0.00	0.00	2.50
Terengganu	11.33	0.00	23.29	0.00	0.00	0.00	6.88	0.00	20.96	0.00	0.00	5.66	12.66	0.00	13.83
Kelantan	13.76	0.00	21.54	0.00	10.50	45.55	10.17	0.00	36.76	0.00	0.00	7.17	8.00	0.00	8.33
Sarawak	17.00	0.00	9.00	9.00	9.50	24.00	14.00	0.00	36.00	0.00	0.00	8.00	0.00	0.00	8.00
Sabah	8.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	47.00	0.00	3.00	0.00	3.50	0.63	4.00
Harga Bertimbang <i>Weighted price</i>	15.81	10.77	26.45	20.78	15.84	38.65	16.36	21.00	35.88	1.17	0.81	6.88	9.49	0.63	17.19

Nota: Pelbagai - Termasuk ikan Tanda, Dengkis, Cupak/Cermin dan Talang

Note: Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queen fish

JADUAL(TABLE) 27.1

MALAYSIA
PENGELUARAN IKAN HIASAN MENGIKUT NEGERI 2000
PRODUCTION OF ORNAMENTAL FISH BY STATE, 2000
(BILANGAN DALAM EKOR/NUMBER IN PIECES)

Negeri/Kumpulan State/Group	Cyprinids Barb/Daino/ Goldfish/Koi	Cyprinodontids	Anabantids	Poecilids	Characins	Cichlid	Osteoglossids	Callichthyids	Cobitids	Aquatic Plants	Lain Lain Others	Jumlah Total
Perlis	0	0	0	0	0	0	0	0	0	0	0	0
Kedah	0	0	0	5,040	0	0	0	0	0	0	0	5,040
Pulau Pinang	34,015	0	15,603	60,693	11,643	1,780,961	6,374	10,002	0	0	8,677	1,927,968
Perak	39,065,102	4,732,071	7,183,150	7,759,155	35,170	5,907,094	195	10,713	16,232	0	413,513	65,122,395
Selangor	1,558,876	1,177,840	0	515,889	296,138	332	0	0	0	0	237,325	3,786,400
Negeri Sembilan	2,050	0	26,200	0	0	0	0	0	0	0	0	28,250
Melaka	17,500	0	48,300	58,500	1,000	0	0	0	2,000	0	0	127,300
Johor	48,628,320	90,314	22,934,703	84,835,696	17,634,375	12,382,803	26,178	0	360,280	47,454,063	530,873	234,877,605
Pahang	88,000	0	0	5,000	0	830	0	0	0	0	1,000	94,830
Terengganu	0	0	0	0	0	0	0	0	0	0	0	0
Kelantan	19,272	0	0	25,303	0	0	0	0	0	0	2,700	47,275
Sarawak	0	0	0	0	0	0	0	0	0	0	0	0
Sabah	18,062	0	926	59,670	0	640	34	0	0	0	475	79,807
Jumlah/Total	89,431,197	6,000,225	30,208,882	93,324,946	17,978,326	20,072,660	32,781	20,715	378,512	47,454,063	1,194,563	306,096,870

JADUAL(TABLE) 27.2

MALAYSIA
PENGELUARAN DAN NILAI IKAN HIASAN MENGIKUT NEGERI, 2000
PRODUCTION AND VALUE OF ORNAMENTAL FISH BY STATE, 2000
(BILANGAN DALAM EKOR/NUMBER IN PIECES)

Negeri State	Pengeluaran (Ekor) Production (Pieces)	Nilai (RM) Value (RM)
Perlis	0	0.00
Kedah	5,040	990.00
Pulau Pinang	1,927,968	2,449,439.00
Perak	65,122,395	13,546,247.00
Selangor	3,786,400	707,114.00
Negeri Sembilan	28,250	2,998.00
Melaka	127,300	25,203.00
Johor	234,877,605	55,043,886.00
Pahang	94,830	18,774.00
Terengganu	0	0.00
Kelantan	47,275	9,217.00
Sarawak	0	0.00
Sabah	79,807	145,067.00
Jumlah/Total	306,096,870	71,948,935.00

JADUAL(TABLE) 28.1

MALAYSIA
BILANGAN DAN PENGELUARAN PUSAT PENGELUARAN BENIH IKAN/UDANG SWASTA
MENGIKUT NEGERI, 2000
NUMBER AND PRODUCTION OF PRIVATE FISH/PRAWN FRY HATCHERY CENTRES
BY STATE, 2000

Negeri State	Bilangan Numbers	Pengeluaran (Juta Ekor) Production (Million Pieces)	
		Benih Udang Prawn Fry	Benih Ikan Fish Fry
Perlis	2	0.00	0.06
Kedah	20	1,030.00	8.91
Pulau Pinang	10	150.10	4.00
Perak	31	324.33	10.90
Selangor	28	180.00	224.02
Negeri Sembilan	7	3.15	3.65
Melaka	10	1.32	24.98
Johor	21	636.37	2.83
Pahang	2	1.00	0.40
Terengganu	3	40.00	0.00
Kelantan	12	1.00	0.99
Sarawak	12	239.30	0.00
Sabah	37	236.18	1.29
Jumlah/Total	195	2,842.75	282.03

JADUAL (TABLE) 29.1

MALAYSIA
BILANGAN DAN PENGELUARAN KILANG "FEEDMILL"
MENGIKUT NEGERI, 2000
NUMBER AND PRODUCTION OF FEEDMILLS
BY STATE, 2000

Negeri State	Bilangan Number	Pengeluaran (Tan metrik) Production (Tonnes)
Perlis	2	1,200.00
Kedah	2	3,600.00
Pulau Pinang	1	140.00
Perak	6	18,330.00
Selangor	2	15.00
Negeri Sembilan	0	0.00
Melaka	1	6,850.00
Johor	3	8,653.39
Pahang	2	2,280.00
Terengganu	0	0.00
Kelantan	1	840.00
Sarawak	3	3,104.00
Sabah	8	17,855.19
Jumlah/Total	31	62,867.58

PERAIRAN UMUM
PUBLIC WATER BODIES

JADUAL(TABLE) 30.1

MALAYSIA
PENDARATAN IKAN AIR TAWAR DARI PERAIRAN UMUM /PERIKANAN DARAT
MENGIKUT BULAN DAN NEGERI, 2000
LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES/INLAND FISHERIES
BY MONTH AND STATE, 2000
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	7.66	7.84	7.87	7.34	5.02	4.87	3.05	3.10	4.54	4.04	3.54	3.79	62.66
Kedah	21.88	24.65	25.17	23.48	28.49	28.28	30.30	29.94	35.28	35.19	34.55	34.34	351.55
Pulau Pinang	1.59	2.18	1.60	1.50	1.38	0.95	1.08	2.21	1.38	0.53	1.28	1.13	16.81
Perak	102.89	104.18	122.63	105.68	90.07	96.34	103.20	95.07	76.22	80.99	76.23	80.67	1,134.17
Selangor	59.02	62.44	66.11	58.81	66.60	63.61	60.69	61.89	76.15	65.49	69.83	68.28	778.92
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	1.26	1.22	7.11	1.23	1.65	1.58	1.71	2.17	2.22	1.44	1.42	2.00	25.01
Johor	23.58	25.53	27.43	27.68	22.87	30.39	33.72	30.72	29.05	31.40	29.91	29.13	341.41
Pahang	40.80	47.20	45.55	32.09	37.83	31.99	38.92	34.39	28.34	28.34	24.03	33.26	422.74
Terengganu	13.45	12.43	9.73	11.52	12.64	8.14	11.09	13.75	15.09	15.89	14.40	22.12	160.25
Kelantan	12.99	14.25	15.35	14.29	13.55	13.05	17.36	17.53	18.48	19.71	23.55	24.12	204.23
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	3.00	4.29	4.06	3.92	4.77	5.21	6.16	4.69	3.93	3.73	4.08	3.26	51.10
Jumlah/Total	288.12	306.21	332.61	287.54	284.87	284.41	307.28	295.46	290.68	286.75	282.82	302.10	3,548.85

JADUAL(TABLE) 31.1

MALAYSIA
PENGELUARAN BENIH IKAN AIR TAWAR DARI PUSAT-PUSAT PEMBAIKBIAK IKAN
KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2000
PRODUCTION OF FRESHWATER FINGERLINGS FROM GOVERNMENT HATCHERIES
BY HATCHERY AND SPECIES, 2000
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Pembaikbiak (Hatchery)	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Nilotika Tilapia Nilotica	Tilapia Merah Red Tilapia	Kap Kepala Besar Big Head Carp	Jelawat River Carp	Keli Freshwater Catfish	Baung River Catfish	Lain-Lain Others	Jumlah Total
PPAT Bukit Tinggi, Pahang	368,750	0	0	0	166,450	0	0	5,000	0	5,000	545,200
PPA Jitra, Kedah	317,073	0	62,150	0	1,496,664	0	0	684,332	0	13,607	2,573,826
PLPD Enggor, Perak	438,760	0	55,300	0	220,390	0	0	71,361	0	10,600	796,411
PPIAT Bt Berendam, Melaka	0	0	0	0	410	0	0	274,980	0	0	275,390
PPA Ajil, Terengganu	0	0	0	0	127,100	0	0	61,500	0	0	188,600
PPA Tapah, Perak	580,500	0	0	0	563,848	0	0	0	0	0	1,144,348
Sarawak	2,436,551	533,460	4,207	0	490,205	0	1,403,696	90,634	0	1,436,295	6,395,048
Sabah	282,020	178,354	0	797,479	1,993,684	0	0	5,459	0	126,780	3,383,776
Jumlah/Total	4,423,654	711,814	121,657	797,479	5,058,751	0	1,403,696	1,193,266	0	1,592,282	15,302,599

JADUAL(TABLE) 31.2

MALAYSIA
**PENGELUARAN BENIH-BENIH IKAN/UDANG AIR PAYAU/MASIN DAN UDANG GALAH DARI PUSAT-PUSAT
 KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2000**
**PRODUCTION OF BRACKISHWATER FISH/PRAWN FINGERLINGS FROM MARINE
 GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2000**
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Penetasan (Hatchery)	Udang Galah Giant Fresh water Prawn	Udang Harimau Tiger Prawn	Udang Putih Banana Prawn	Siakap Barramundi	Siakap Merah Mangrove Red Snapper	Siput Sudu Mussels	Tiram Oysters	Lain-Lain Others	Jumlah Total
PPUG Kg. Aceh, Perak	5,404,250	0	0	0	0	0	0	0	5,404,250
PPIUL Tg. Demong, Terengganu	0	0	0	136,669,792	0	0	0	19,071,367	155,741,159
PPBPUK Kg. Pulau Sayak, Kedah	221,000	0	0	305,569	134,752	0	1,175,000	0	1,836,321
PPTAP Gelang patah, Johor	0	0	0	0	93,200	0	0	0	93,200
Sarawak	0	8,424,700	0	1,497,057	0	0	0	0	9,921,757
Sabah	0	0	0	170,000	0	224,457	691,172	0	1,085,629
Jumlah/Total	5,625,250	8,424,700	0	138,642,418	227,952	224,457	1,866,172	19,071,367	174,082,316

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIR TAWAR UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN
KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIS IKAN, 2000
DISTRIBUTION OF FRESHWATER FRY FOR MISCELLANEOUS PURPOSES AND RELEASED
INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 2000
(KAUNTITI DALAM EKOR/QUANTITY IN PIECES)

Negeri State	Kegunaan Pelbagai/Miscellaneous							Pelepasan ke perairan Umum/Released in Public Waters						Jumlah Kecil Sub Total	Jumlah Besar Grand Total
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Keli Freshwater Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Pelbagai Others	Jumlah Kecil Sub Total	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Udang Galah Giant Fresh- Water Prawn	Tilapia Merah Red Tilapia	Baung River Catfish	Pelbagai Others		
Perlis	1,100	0	550	0	5,150	0	6,800	0	0	0	0	0	0	0	6,800
Kedah	1,122	0	22,858	0	26,004	660	50,644	123,200	0	0	33,000	0	15,000	171,200	221,844
P. Pinang	77,000	0	260,500	0	91,800	4,000	433,300	14,500	0	430,000	0	0	0	444,500	877,800
Perak	36,350	0	11,150	0	35,110	0	82,610	810,000	0	310,000	15,250	0	18,500	1,153,750	1,236,360
Selangor	0	0	0	0	0	0	0	0	0	50,000	0	0	0	50,000	50,000
N. Sembilan	0	0	0	0	0	0	0	10,000	0	0	9,500	0	0	19,500	19,500
Melaka	0	0	0	0	0	0	0	10,000	0	50,000	0	0	0	60,000	60,000
Johor	0	0	0	0	0	0	0	3,000	0	100,000	0	1,000	4,000	108,000	108,000
Pahang	0	600	29,600	0	59,600	198,900	288,700	63,500	9,000	30,000	0	0	18,100	120,600	409,300
Terengganu	0	0	0	0	0	0	0	67,500	0	0	0	75,000	140,000	282,500	282,500
Kelantan	0	500	1,200	0	0	1,750	3,450	0	0	0	0	0	0	0	3,450
Sarawak	0	0	0	0	0	0	0	80,000	20,000	0	0	0	1,933,820	2,033,820	2,033,820
Sabah	246,907	169,206	0	681,530	1,551,538	36,144	2,685,325	14,000	17,200	0	10,100	0	16,400	57,700	2,743,025
Jumlah/ Total	362,479	170,306	325,858	681,530	1,769,202	241,454	3,550,829	1,195,700	46,200	970,000	67,850	76,000	2,145,820	4,501,570	8,052,399

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIR TAWAR KEPADA PENTERNAK
MENGIKUT NEGERI DAN SPESIS IKAN, 2000
DISTRIBUTION OF FRESHWATER FISH FRY TO CULTURISTS
BY STATE AND SPECIES, 2000
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Negeri <i>State</i>	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Sepat Siam <i>Snakeskin Gouramy</i>	Patin <i>River Catfish</i>	Udang Galah <i>Giant Fresh water Prawn</i>	Tilapia Merah <i>Red Tilapia</i>	Keli <i>River Catfish</i>	Kap Rumput <i>Grass Carp</i>	Pelbagai <i>Others</i>	Jumlah <i>Total</i>
Perlis	302	0	11,770	0	0	263,119	41,079	0	0	316,270
Kedah	107,914	0	31,923	2,497	0	906,616	150,035	0	550	1,199,535
Pulau Pinang	77,000	0	4,000	0	0	91,800	260,500	0	0	433,300
Perak	116,250	0	36,800	0	1,454,850	620,678	55,111	0	10,600	2,294,289
Selangor	36,700	0	0	0	230,000	13,000	0	0	18,000	297,700
Negeri Sembilan	91,000	0	0	0	266,000	47,060	0	0	0	404,060
Melaka	0	0	0	0	0	6,480	14,500	0	0	20,980
Johor	0	0	0	8,500	40,000	65,000	57,800	500	94,000	265,800
Pahang	139,910	1,052	54,750	61,900	645,500	264,669	45,500	7,950	225,633	1,446,864
Terengganu	0	0	0	0	45,000	127,100	21,500	0	0	193,600
Kelantan	6,930	0	0	0	0	155,490	52,790	0	0	215,210
Sarawak	1,623,668	805,089	0	48,347	122,000	1,581,328	63,250	13,178	3,497,453	7,754,313
Sabah	246,907	169,206	0	0	0	1,551,538	6,319	0	711,355	2,685,325
Jumlah/Total	2,446,581	975,347	139,243	121,244	2,803,350	5,693,878	768,384	21,628	4,557,591	17,527,246

**KLASIFIKASI PERANGKAAN PIAWAIAN IKAN-IKAN
AIRTAWAR MALAYSIA**

*STANDARD STATISTICAL CLASSIFICATION OF COMMON
MALAYSIAN FRESHWATER FISHES*

DAN (AND)

**KLASIFIKASI PERANGKAAN PIAWAIAN IKAN-IKAN
LAUT MALAYSIA**

*STANDARD STATISTICAL CLASSIFICATION OF MALAYSIAN
MARINE FISHES*

**KLASIFIKASI PERANGKAAN PIAWAIAN IKAN-IKAN
AIRTAWAR MALAYSIA**

**STANDARD STATISTICAL CLASSIFICATION OF
COMMON MALAYSIAN FRESHWATER FISHES**

ISSCAAP Code	Division Group of Species	Local Name	English Name	Scientific Name
1	11 Carps, Barbels and Others	Tengas	Carp	<i>Acrossocheilus hexagonoiepis</i>
		Kap Kepala Besar	Big Head Carp	<i>Aristichthys nobilis</i>
		Ikan Mas	Edible Gold Fish	<i>Carassius auratus</i>
		Kap Lumpur	Mud Carp	<i>Cirrhina molitorella</i>
		Kap Rumput	Grass Carp	<i>Ctenopharyngodon idella cyprinids</i>
		Temperas	Carp	<i>Cyclocheilichthys apogon</i>
		Lee Koh	Common Carp	<i>Cyprinus Carpio</i>
		Semilang Batu	Carp	<i>Epplatheorthynchus kalopteris</i>
		Sebarau	Carp	<i>Hampala macrolepidota</i>
		Kap Perak	Silver Carp	<i>Hypophthalmichthys molitrix</i>
		Pucuk Pisang	Carp/Barb	<i>Labiobarbus fasciatus</i>
		Lomah	Carp/Barb	<i>Labiobarbus ocellatus</i>
		Jelawat	River Carp	<i>Leptobarbus hoevenii</i>
		Kap Hitam	Black Carp	<i>Mylopharyngodon piceus</i>
		Sia	Carp	<i>Mystacoleucus marginatus</i>
		Terbol	Carp	<i>Osteochilus hasseltii</i>
		Lalang	Carp	<i>Oxygaster anomalura</i>
		Bulu Ayam	Moustached thryssa	<i>Thryssa mystax</i>
		Temoleh, Temelian	Malaysian Carp	<i>Probarbus jullieni</i>
		Putih, Tebal Sisek	Common Barb	<i>Puntius binotatus</i>
		Tengalan	Carp/Barb	<i>Puntius bulu</i>
		Kerai Kunyit	Carp/Barb	<i>Hypsibarbus sp</i>
		Lampam Jawa	Javanese Carp	<i>Puntius gonionotus</i>
		Bagoh	Spanner Barb	<i>Puntius lateristriga</i>
		Lampam Sungai	River Carp	<i>Puntius schwaefeldii</i>
		Susur Batang	Brilliant Rasbora	<i>Rasbora einthovenii</i>
		Seluang	Two-spot Rasbora	<i>Rasbora elegans</i>
		Kelah	River Carp	<i>Tor tambroides</i>

2	12	Tilapias and Cichlids	Tilapia	Tilapia	<i>Tilapia mossambica</i>
3	13	Miscellaneous freshwater fishes	Puyu	Climbing Perch	<i>Anabas tertudineus</i>
			Tuna	River Eel	<i>Anquilla bicolor/A. nebulosa</i>
			Kepala Timah	White Spot	<i>Aplocheilus panchax</i>
			Lali-lali	Loach	<i>Botia spp.</i>
			Kecil Kayu/Keli Bunga	Freshwater Catfish	<i>Clarias batrachus/C. macrocephalu</i>
			Limbat	Freshwater Catfish	<i>Clarias nieuhofi</i>
			Belut	Swamp Eel	<i>Fluta alba</i>
			Temakang	Kissing Gourami	<i>Helostoma temminckii</i>
			Susoh Batu	Loach	<i>Homaloptera spp.</i>
			Baung	River Catfish	<i>Mystus spp.</i>
			Tengku Lolah	River Catfish	<i>Mystus wyckii</i>
			Belida	Feather back	<i>Notopterus notopterus</i>
			Kalui	Giant Gourami	<i>Osphronemus goramy</i>
			Bujuk	Snake Head	<i>Ophicephalus lucius</i>
			Toman	Snake Head	<i>Ophicephalus micropeltes</i>
			Haruan	Snake Head	<i>Ophicephalus striatus</i>
			Ketutu	Goby	<i>Oxyeleotris marmoratus</i>
			Lawang	River Catfish	<i>Pangasius micronemus</i>
			Patin	River Catfish	<i>Pangasius pangasius</i>
			Kepar, Patung	Perch	<i>Pristolepis fasciatus</i>
			Kelisa	Sclerapages	<i>Scleropages formosus</i>
			Sepat Siam	Snakeskin Gouramy	<i>Trichogaster pectoralis</i>
			Sepat Ronggeng	Two-spot Gouramy	<i>Trichogaster trichopterus</i>
			Tapah	Giant Catfish	<i>Wallago spp.</i>
4		CRUSTACEANS			
	41	Freshwater Crustaceans	Udang Galah	Giant Freshwater Prawn	<i>Macrobrachium rosenbergii</i>

**KLASIFIKASI PERANGKAAAN PIWAIAAN IKAN-IKAN
LAUT MALAYSIA**

**STANDARD STATISTICAL CLASSIFICATION OF
MALAYSIAN MARINE FISHES**

ISSCAAP Code	Division Group of Species	Local Name	English Name	Scientific Name
2	DIADROMOUS FISHES			
24	Shads, Milk-fishes, etc.	Kebasi/Selangat	+ Chacunda shad (Gizzard shad)	<i>Anodontosoma chacunda</i>
		Puput	+ Shad	<i>Pellona spp.</i>
		Beliak mata	+ Slender shad	<i>Ilisha elongata</i>
		Terubok	0 Longtail shad	<i>Hilsa macrura</i>
25	Miscellaneous diadromous fishes	Siakap	+ Giant sea perch (Barramundi)	<i>Lates calcarifer</i>
3	MARINE FISHES			
31	Flounders, Halibuts, Soles, etc.	Lidah	+ Tonguefish (Tongue sole)	<i>Cynoglossus spp.</i>
		Sebelah	+ Deep Flounders	<i>Pseudorhombus spp.</i>
		Togok	Halibut	
33	Redfishes, Basses, Congers, etc.	Bayan	+ Parrotfish/ Moon wrasse	<i>Scarus sp./Thalassoma spp.</i>
		Biji nangka	+ Goatfish	<i>Upeneus spp.</i>
		Daun Baharu	+ Spotted sicklefish	<i>Drepane punctata</i>
		Delah	+ Fusilier	<i>Caesio erythrogaster/C. chrysona</i>
		Dengkis/Debam	+ Spinefeet (Rabbit fish) marbled spine-food	<i>Siganus spp.</i>
		Duri/Pulutan/Utek	+ Marine catfish	<i>Tachysurus spp./Arius spp./</i>
		Gelama/Tengkerong	+ Jewfish/Carut Croaker Tiger-tootled Croaker/ Bronze Croaker	<i>Sciaena spp. /Johnius spp. Otolithus spp. /Otolithoides spp.</i>
		Gerut-gerut	+ Grunter	<i>Promadasys spp.</i>
		Jebong	+ Triggerfish	<i>Abalistes stellaris</i>
		Jenahak	+ Mangrove snapper	<i>Lutianus johni</i>
		Kaci	+ Sweetlip	<i>Spilotichthys picus</i>

	Kapas laut	+Majorras (Silver biddies)	<i>Gerres filamentosus/G. abbreviatus</i>	
	Kerapu	+ Grouper	<i>Epinephelus spp. /Plectropomus spp.</i>	
	Kerisi	+ Threadfin bream	<i>Nemipterus spp.</i>	
	Kerisi bali	+ Sharp toothed bass	<i>Pristipomoides typus</i>	
	Kikek	+ Ponyfish (Slipmouth)	<i>Leiognathus spp./Gazz spp./Secutor spp.</i>	
	Lumi-lumi	+Bombay-duck	<i>Harpodon nehereus</i>	
	Malong	+ Conger eel	<i>Muraenesox spp.</i>	
	Merah	+ Red snapper	<i>Lutianus argentimaculatus/ L. malabaricus</i>	
	Mengkerong/Ubi/Conor	+ Lizard fish	<i>Sauride spp.</i>	
	Puntung Damar/ Bulus-Bulus	+ Sillago-whittings	<i>Sillago sihama/S. maculuta</i>	
	Pasir-Pasir/Timun-Timun/ Puyu Laut	+ Monocle bream	<i>Scolopsis spp.</i>	
	Pelandok	+ Emperors (Scavengers)	<i>Lethrinus spp.</i>	
	Pluru	+ Spadefish	<i>Ephippus orbis</i>	
	Remong/Kunyit-Kunyit	+ Snapper	<i>Lutianus vitta/L. lineolatus</i>	
	Semilang	+ Catfish eel	<i>Plotosus spp.</i>	
	Shrumbu/Lemah	+ False trevally	<i>Lactarius lactarius</i>	
	Tanda	+ Snapper	<i>Lutianus russelli</i>	
34	Jacks, Mullets, Sauries, etc.	Aji-Aji	+ Amberjack	<i>Seriola nigrifasciata</i>
		Alu-alu/Kacang-kacang	+ Barracuda	<i>Sphyræna jello/S. optusa</i>
		Aruan Tasik	+ Black kingfish	<i>Rachycentron canadus</i>
		Bawal hitam	0 Black pomfret	<i>Formio niger</i>
		Bawal putih	0 Silver pomfret	<i>Pampus argenteus</i>
		Bawal tambak	0 Chinese pomfret	<i>Pampus chinensis</i>
		Bawal selatan	0 Small pomfret	<i>Pampus spp.</i>
		Belanak/Kedera	0 Mullet	<i>Liza spp/Valamugil spp.</i>
		Cermin/Cupak	+ Horse mackerel (Trevally	<i>Alectis indica/Caranx spp.</i>

		Cincaru	0 Hardtail scad	<i>Megalaspis cordyla</i>
		Demudok/Rambai	+ Horse mackerel (Trevally	<i>Carangoides spp.</i>
		Gerong-gerong	+ Golden trevally	<i>Caranx speciosus</i>
		Kurau/Senangin/ Senohong	0 Threadfin	<i>Polynemus spp./Eleutheronema tetradactylum</i>
		Kerepoh	0 Horse mackerel (Trevally	<i>Caranx sexfasciatus</i>
		Lolong	0 Ox-eye scad	<i>Selar boops</i>
		Mata Besar/Selar	0 Big-eye scad	<i>Selar crymenophthalmus</i>
		Pisang-Pisang	0 Rainbow runner	<i>Elagatis bipinnulatus</i>
		Selar-Pelata	0 Selar scad	<i>Selar spp.</i>
		Selar Kuning	0 Yellow striped trevally	<i>Selaroides leptolepis</i>
		Selayang/Curut	0 Round scad	<i>Decapterus maruadis/D. macrosoma</i>
		Talang	0 Queenfish (Leatherskin)	<i>Scomberoides commersonianus</i>
35	Herrings, Sardines, Anchovies, etc.	Tamban sisek	0 Fringescale sardine	<i>Sardinella fimbriata</i>
		Tamban buluh/T.Bulat	0 Rainbow sardine	<i>Dussumieria acuta</i>
		Bilis	0 Achovy	<i>Stolephorus spp.</i>
		Parang-parang	0 Dorab wolf-herring	<i>Chirocentrus dorab</i>
		Bulan-bulan	+ Indo-Pacific tarpon	<i>Megalops cyprinoides</i>
36	Tunas,	Aya/Kayu/Tongkol hitam	0 Longtail tuna	<i>Thunnus tonggol</i>
		Aya/Kayu/Tongkol Kurik	0 Kawakawa (eastern little tuna)	<i>Euthynnus affinis</i>
		Aya/Kayu/Tongkol Selasi	0 Frigate tuna	<i>Auxis thazard</i>
	Billfishes, etc.	Layaran/Mersuji	0 Sailfish/Black & Blue marine	<i>Istiophorus spp./Makaira spp.</i>
		Tenggiri	0 Spanish mackerel	<i>Scomberomorus spp.</i>
37	Mackerels, Snoeks, Cutlass, fishes, etc.	Kembong/Temenong	0 Indian mackerel	<i>Rastrelliger kanagurta/R. brachysoma/ R. faughni</i>
		Timah/Layor/Selayor	+ Large-head hairtail (Ribbon fish)	<i>Trichiurus lepturus</i>
38	Sharks, Rays, Chimaeras, etc.	Yu	+ Shark	<i>Galeorhinidae</i>
		Pari	+ Ray	<i>Gymnura spp./Dasyatis spp.</i>

39	Miscellaneous marine fishes	Ikan Baja	+/0 Trash fish	<i>Mixed-spp.</i>
		Ikan Campur	+/0 Mixed fishes	<i>Mixed spp.</i>

4 CRUSTACEANS

42	Sea spiders, Crabs, etc.	Ketam laut/Ketam renjong/ Ketam batu	Blue swimming crab Indo-pacific swamp-crab	<i>Portunus pelagicus</i> <i>Scylla serrata</i>
43	Lobsters, Spiny rock lobsters, etc.	Udang karang	Spiny lobster	<i>Panulirus polyhagus</i>
		Udang lobok	Slipper lobster	<i>Thenus orientalis</i>
45	Shrimps, Prawns, etc.	Udang/puteh/udang kaki merah/udang susu	Banana prawn/Western king prawn	<i>Penaeus merguensis/P. indicus/</i> <i>P. latisulcatus</i>
		Udang harimau	Giant tiger prawn/ Green tiger prawn	<i>Penaeus monodon/P. semisulcatus</i>
		Udang pasir/Udang pasir kepala besar	Sand prawn	<i>Metapeneopsis stridulans &</i> <i>M. berbeensis/Trachypenaeus fulvus</i>
		Udang puteh kecil	Bridshrimp Small white prawn	<i>Metapenaeus lysianassa</i>
		Udang kuning	Yellow prawn	<i>Metapenaeus brevicornis</i>
		Udang merah ros/ Udang ekor biru	Gingja shrimp/ Greasyback shrimp	<i>Metapenaeus affinis/M. ensis/</i> <i>M. intermedius</i>
		Udang kulit keras	Rainbow prawn	<i>Parapenaeopsis sculptilis</i>
		Udang minyak/ Udang minyak jalur	Sharp-rostrum prawn	<i>Parapenaeopsis hardwickii/</i> <i>P. coromandelica/P. hungerfordi/</i> <i>P. gracilima</i>
		Udang merah	Red prawn	<i>Solenocera subnuda</i>

5 MOLLUSCS

53	Oysters	Tiram	Rock oysters/Flat oysters	<i>Ostrea folium/Crassostrea spp.</i>
54	Mussels	Kupang/Siput Sudu/ Siput cangkul	Green mussel Sea-Green mussel	<i>Perna viridis</i> <i>Glaucanome spp.</i>
56	Clams, Cockles, Arkshells, etc.	Kerang Retak seribu Lain-lain siput	Blood cockle Carpet clam Other clams/Snails	<i>Anadara granosa</i> <i>Paphia undulata</i> <i>Bivalves/Gastropods</i>
57	Squids, Cuttlefishes, Octopuses, etc.	Sotong biasa/Cumit-cumit	Common squid	<i>Loligo spp.</i>