

MALAYSIA
ANGGARAN BILANGAN DAN LUAS KOLAM, BEKAS LOMBONG DAN SANGKAR YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT SISTEM PENTERNAKAN DAN NEGERI 1988
ESTIMATED NUMBER AND AREA OF PONDS, DISUSED MINING POOLS AND CAGES
AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 1988

JADUAL (TABLE) 13.1

Negeri State	Airtawar/Freshwater									Airpayau/Brackishwater						Jumlah/Total					
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages			Kolam Ponds			Sangkar Cages			Kolam & Bekas Lombong Ponds & Ex-Mining Pools			Sangkar Cages		
	Bil. No.	Luas (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturists
Perlis	131	26.01	111	1	1.22	1	0	0.00	0	0	0.00	0	0	0.00	0	132	27.23	112	0	0.00	0
Kedah	761	171.86	396	4	4.84	2	16	144.00	2	52	23.47	21	910	7,822.78	44	817	200.17	419	926	7,966.78	46
Pulau Pinang/ Penang	191	25.96	128	0	0.00	0	0	0.00	0	4	1.63	4	5,432	33,173.36	263	195	27.59	132	5,432	33,173.36	263
Perak	2,388	428.34	1,568	134	210.61	110	226	2,158.18	12	95	38.89	21	3,511	32,647.05	104	2,617	677.84	1,699	3,737	34,805.23	116
Selangor	1,613	302.12	1,390	242	234.79	218	474	7,316.00	407	75	16.36	29	2,619	33,115.43	88	1,930	553.27	1,637	3,093	40,431.43	495
M. Persekutuan/ F. Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N. Sembilan	1,311	232.34	1,138	40	15.94	40	72	648.00	1	0	0.00	0	0	0.00	0	1,351	248.28	1,178	72	648.00	1
Melaka/Malacca	786	172.41	619	0	0.00	0	64	2,090.32	45	4	1.54	4	0	0.00	0	790	173.95	623	64	2,090.32	45
Johor/Johore	1,383	203.92	669	1	0.81	1	12	103.62	2	423	516.97	69	3,590	41,707.85	136	1,807	721.70	739	3,602	41,811.47	138
Pahang	1,498	263.14	929	2	3.50	1	0	0.00	0	16	3.84	13	0	0.00	0	1,516	270.48	943	0	0.00	0
Terengganu	470	56.47	391	0	0.00	0	0	0.00	0	20	5.62	15	170	1,537.50	24	490	62.09	406	170	1,537.50	24
Kelantan	1,193	150.65	881	2	3.50	2	52	483.60	13	61	8.30	44	256	2,380.80	21	1,256	162.45	927	308	2,864.40	34
Sarawak	947	147.14	828	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	947	147.14	828	0	0.00	0
Sabah	7,445	825.37	3,450	0	0.00	0	0	0.00	0	359	300.00	62	0	0.00	0	7,804	1,125.37	3,512	0	0.00	0
Jumlah/Total:	20,117	3,005.73	12,498	426	475.21	375	916	12,943.72	482	1,109	916.62	282	16,488	152,384.77	680	21,652	4,397.56	13,155	17,404	165,328.49	1,162

Nota: Bagi Sarawak ia merujuk kepada kolam-kolam yang telah dibina dalam tahun semasa.
Note: For Sarawak it refers to ponds constructed in this year.

MALAYSIA
 ANGGARAN BILANGAN DAN LUAS KOLAM, BEKAS LOMBONG DAN SANGKAR AIR TAWAR YANG DIBUKA
 DAN TERBIAR SERTA BILANGAN PENTERNAK MENGIKUT NEGERI, 1988
 ESTIMATED NUMBER AND AREA OF OPENED AND ABANDONED PONDS, DISUSED MINING POOLS
 AND CAGES AND NUMBER OF CULTURISTS BY STATE, 1988

JADUAL (TABLE) 13.2

Negeri State	Dibuka dan Beroperasi/Opened and Operation									Terbiar/Abandoned								
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages			Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages		
	Bil.	Luas	Bil.	Bil.	Luas	Bil.	Bil.	Luas	Bil.	Bil.	Luas	Bil.	Bil.	Luas	Bil.	Bil.	Luas	Bil.
	No.	(ha) Area	No. Of Culturist	No.	(ha) Area	No. Of Culturist	No.	(m2) Area in Sq. m.	No. Of Culturist	No.	(ha) Area	No. Of Culturist	No.	(ha) Area	No. Of Culturist	No.	(ha) Area	No. Of Culturist
Perlis	0	0.00	0	0	0.00	0	0	0.00	0	23	3.56	13	0	0.00	0	0	0.00	0
Kedah	97	17.91	51	2	0.44	2	4	36.00	1	205	65.47	84	1	1.85	1	0	0.00	0
Pulau Pinang/ Penang	12	0.23	2	0	0.00	0	0	0.00	0	82	13.15	59	0	0.00	0	0	0.00	0
Perak	32	9.71	16	1	2.81	2	4	37.21	1	625	101.64	422	0	0.00	0	32	297.68	12
Selangor	310	38.19	170	3	10.55	5	354	6,132.00	302	210	32.39	175	11	62.99	6	0	0.00	0
W. Persekutuan/ F. Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N. Sembilan	8	1.19	3	0	0.00	0	0	0.00	0	204	35.26	189	0	0.00	0	0	0.00	0
Melaka/Malacca	1	0.10	1	0	0.00	0	0	0.00	0	302	46.94	256	3	3.45	2	0	0.00	0
Johor/Johore	56	3.19	3	0	0.00	0	0	0.00	0	702	76.01	330	22	23.07	15	0	0.00	0
Pahang	29	6.27	17	0	0.00	0	0	0.00	0	560	80.53	248	26	0.00	8	0	0.00	0
Terengganu	89	7.19	66	0	0.00	0	0	0.00	0	154	19.00	90	0	0.00	0	0	0.00	0
Kelantan	371	49.26	247	2	1.68	2	0	0.00	0	380	49.96	275	0	0.00	0	0	0.00	0
Sarawak	947	147.14	828	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Sabah	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Jumlah/Total:	1,952	280.38	1,404	8	15.48	11	362	6,205.21	304	3,447	523.91	2,141	63	91.36	32	32	297.68	12

* Kolam, bekas lombong dan sangkar yang dibuka adalah tertakluk kepada yang dibuka dalam tahun semasa.

Newly opened and in operation ponds, ex-mining pools and cages are counted based on current year.

* Kolam, bekas lombong dan sangkar yang terbiar adalah timbunan dari tahun sebelum dan tahun semasa.

Abandoned ponds, ex-mining pools and cages are accumulative figures.

ANGGARAN BILANGAN DAN LUAS, SERTA BILANGAN PENTERNAK
KOLAM DAN SANGKAR AIRPAYAU YANG DI BUKA DAN TERBIAR, 1988.
ESTIMATED NUMBER AND AREA OF OPENED AND
ABANDONED BRACKISHWATER PONDS AND CAGES, AND NUMBER OF CULTURIST, 1988.

JADUAL (TABLE) 13.3

Negeri State	Dibuka dan Beroperasi/Opened and Operation						Terbiar/Abandoned					
	Kolam Ponds			Sangkar Cages			Kolam Ponds			Sangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (m ²) Area in Sq. m.	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturist
Perlis	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Kedah	14	7.14	4	233	1,886.62	12	31	8.82	7	36	210.96	2
Pulau Pinang/Penang	3	0.34	3	539	3,677.71	28	0	0.00	0	48	351.20	4
Perak	34	24.79	3	621	5,778.58	6	0	0.00	0	16	148.84	1
Selangor	44	8.04	13	329	12,588.84	21	17	9.36	1	0	0.00	0
M. Persekutuan/ F. Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N. Sembilan	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Melaka/Malacca	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Johor/Johore	64	41.33	13	276	4,475.12	7	8	5.30	2	43	582.49	9
Pahang	12	2.62	12	0	0.00	0	27	6.07	12	0	0.00	0
Terengganu	5	0.85	3	108	850.10	5	20	4.88	1	6	54.00	1
Kelantan	19	4.31	11	0	0.00	0	17	1.92	14	0	0.00	0
Sarawak	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Sabah	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Jumlah/Total:	195	89.42	62	2,106	29,256.97	77	120	36.35	37	149	1,347.49	17

- * Kolam Dan Sangkar Yang Dibuka Adalah Tertakluk Kepada Yang Dibuka Dalam Tahun Semasa.
Newly opened and in operation ponds and cages are counted based on current year.
- * Kolam dan sangkar yang terbiar adalah timbunan dari tahun sebelum dan tahun semasa.
Abandoned ponds and cages are accumulative figures.

MALAYSIA
 ANGGARAN JUMLAH PENDARATAN IKAN TERNAKAN, KERANG DAN KUPANG MENGIKUT
 NEGERI DAN SISTEM TERNAKAN 1988
 ESTIMATED LANDINGS OF FISH, COCKLE AND MUSSELS
 BY STATE AND CULTURE SYSTEM 1988
 (TAN METRIK/TONNES)

JADUAL (TABLE) 14.1

Negeri State	Airtawar/Freshwater		Airpayau/Brackishwater				Jumlah Kecil/Sub-total				Jumlah Besar
	Kolam & Bekas Lombong Ponds & Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	Grand Total
Perlis	19.54	0.00	0.00	0.00	71.35	0.00	19.54	0.00	71.35	0.00	90.89
Kedah	175.16	0.00	3.45	7.28	287.78	0.00	178.61	7.28	287.78	0.00	473.67
P.Pinang/Penang	26.01	0.00	0.00	566.41	8,096.85	1.19	26.01	566.41	8,096.85	1.19	8,690.46
Perak	1,022.37	3.91	43.61	51.25	20,644.94	60.28	1,065.98	55.16	20,644.94	60.28	21,826.36
Selangor	859.10	31.60	31.98	423.42	5,584.75	0.64	891.08	455.02	5,584.75	0.64	6,931.49
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	397.29	2.51	0.00	0.00	0.00	2.32	397.29	2.51	0.00	2.32	402.12
Melaka/Malacca	224.19	12.65	3.80	0.00	0.00	43.11	227.99	12.65	0.00	43.11	283.75
Johor/Johore	280.52	1.04	873.06	510.66	181.33	1,260.44	1,153.58	511.70	181.33	1,260.44	3,107.05
Pahang	341.34	0.00	0.00	0.00	0.00	0.00	341.34	0.00	0.00	0.00	341.34
Terengganu	56.46	0.00	5.15	18.04	0.00	0.00	61.61	18.04	0.00	0.00	79.65
Kelantan	164.98	0.77	2.85	2.22	0.00	0.00	167.83	2.99	0.00	0.00	170.82
Sarawak	110.32	0.00	0.00	0.00	0.00	0.00	110.32	0.00	0.00	0.00	110.32
Sabah	4,100.00	0.00	350.00	0.00	0.00	0.00	4,450.00	0.00	0.00	0.00	4,450.00
Jumlah/Total:	7,777.28	52.48	1,313.90	1,579.28	34,867.00	1,367.98	9,091.18	1,631.76	34,867.00	1,367.98	46,957.92

MALAYSIA
 ANGGARAN NILAI BORONG IKAN TERNAKAN, KERANG DAN KUPANG MENGIKUT
 NEGERI DAN SISTEM TERNAKAN 1988
 ESTIMATED WHOLESALE VALUE OF FISH, COCKLE AND MUSSEL
 BY STATE AND CULTURE SYSTEM 1988
 (NILAI DALAM RM '000/VALUE IN RM '000)

JADUAL (TABLE) 14.2

Negeri State	Airtawar/Freshwater		Airpayau/Brackishwater				Jumlah (RM)/Total (RM)			
	Kolam & Bekas Lombong Ponds & Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	Kolam & Bekas Lombong Ponds & Mining Pools	Sangkar Cages	Kerang Cockle	Kupang Mussels
Perlis	110.00	0.00	0.00	0.00	17.84	0.00	110.00	0.00	17.84	0.00
Kedah	604.22	0.00	60.51	104.01	71.95	0.00	664.73	104.01	71.95	0.00
P. Pinang/Penang	81.34	0.00	0.00	6,367.66	2,833.90	0.48	81.34	6,367.66	2,833.90	0.48
Perak	2,690.58	13.14	846.91	623.27	7,225.73	33.15	3,537.49	636.41	7,225.73	33.15
Selangor	3,299.84	103.62	640.25	3,515.79	1,340.34	0.45	3,940.09	3,619.41	1,340.34	0.45
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	1,321.69	7.40	0.00	0.00	0.00	1.86	1,321.69	7.40	0.00	1.86
Melaka/Malacca	746.65	37.70	28.50	0.00	0.00	19.40	775.15	37.70	0.00	19.40
Johor/Johore	1,392.96	6.48	15,939.95	5,104.63	45.33	415.95	17,332.91	5,111.11	45.33	415.95
Pahang	1,236.97	0.00	0.00	0.00	0.00	0.00	1,236.97	0.00	0.00	0.00
Terengganu	184.24	0.00	59.38	144.08	0.00	0.00	243.62	144.08	0.00	0.00
Kelantan	731.57	3.10	48.61	17.49	0.00	0.00	780.18	20.59	0.00	0.00
Sarawak	547.99	0.00	0.00	0.00	0.00	0.00	547.99	0.00	0.00	0.00
Sabah	25,000.00	0.00	6,000.00	0.00	0.00	0.00	31,000.00	0.00	0.00	0.00
Jumlah/Total:	37,948.05	171.44	23,624.11	15,876.93	11,535.09	471.29	61,572.16	16,048.37	11,535.09	471.29

MALAYSIA
 ANGGARAN NILAI RUNCIT IKAN TERNAKAN, KERANG DAN KUPANG MENGIKUT NEGERI DAN
 SISTEM TERNAKAN 1988
 ESTIMATED RETAIL VALUE OF FISH, COCKLE AND MUSSEL
 BY STATE AND CULTURE SYSTEM 1988
 (NILAI DALAM M\$ '000/VALUE IN M\$ '000)

JADUAL (TABLE) 14.3

Negeri State	Airtawar/Freshwater		Airpayau/Brackishwater				Jumlah (M\$)/Total (M\$)			
	Kolam & Bekas Lombong Ponds & Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Kupang Mussels	Kolam & Bekas Lombong Ponds & Ex-mining Pools	Sangkar Cages	Kerang Cockle	Kupang Mussels
Perlis	128.50	0.00	0.00	0.00	35.68	0.00	128.50	0.00	35.68	0.00
Kedah	767.38	0.00	65.10	110.18	143.89	0.00	832.48	110.18	143.89	0.00
P. Pinang/Penang	101.77	0.00	0.00	6,292.93	5,262.95	0.71	101.77	6,292.93	5,262.95	0.71
Perak	4,010.95	18.63	1,090.25	695.83	12,386.96	60.28	5,101.20	714.46	12,386.96	60.28
Selangor	4,605.55	144.88	854.62	4,084.19	2,513.14	0.74	5,460.17	4,229.07	2,513.14	0.74
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	2,006.02	12.17	0.00	0.00	0.00	2.32	2,006.02	12.17	0.00	2.32
Melaka/Malacca	934.03	53.65	36.10	0.00	0.00	25.87	970.13	53.65	0.00	25.87
Johor/Johore	1,834.62	8.27	19,807.19	6,430.92	117.86	819.29	21,641.81	6,439.19	117.86	819.29
Pahang	1,711.11	0.00	0.00	0.00	0.00	0.00	1,711.11	0.00	0.00	0.00
Terengganu	296.17	0.00	41.72	168.12	0.00	0.00	337.89	168.12	0.00	0.00
Kelantan	847.24	3.59	52.72	20.53	0.00	0.00	899.96	24.12	0.00	0.00
Sarawak	639.17	0.00	0.00	0.00	0.00	0.00	639.17	0.00	0.00	0.00
Sabah	27,192.81	0.00	7,203.00	0.00	0.00	0.00	34,395.81	0.00	0.00	0.00
Jumlah/Total:	45,075.32	241.19	29,150.70	17,802.70	20,460.48	909.21	74,226.02	18,043.89	20,460.48	909.21

JADUAL (TABLE) 15.1

MALAYSIA
 BILANGAN DAN LUAS KOLAM BINAAN AIRTAWAR YANG DIUSAHAKAN
 SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1988
 NUMBER AND AREA OF FRESHWATER PONDS AND
 NUMBER OF CULTURISTS BY RACE AND STATE, 1988

Negeri State	Kolam Airtawar Freshwater Ponds		Bilangan Penternak Ikan Number Of Culturists				
	Bilangan	Luas (ha)	Melayu	Cina	India	Lain-Lain	Jumlah
	Number	Area (ha)	Malay	Chinese	Indian	Others	Total
Perlis	131	26.01	101	4	0	6	111
Kedah	761	171.86	375	7	0	14	396
P. Pinang/Penang	191	25.96	87	21	6	14	128
Perak	2,388	428.34	1,296	189	19	64	1,568
Selangor	1,613	302.12	862	322	53	153	1,390
W. Persekutuan/ F. Territory	0	0.00	0	0	0	0	0
N. Sembilan	1,311	232.34	1,034	49	3	52	1,138
Melaka/Malacca	786	172.41	471	134	9	5	619
Johor/Johore	1,383	203.92	443	200	3	23	669
Pahang	1,498	263.14	784	136	6	3	929
Terengganu	470	56.47	390	1	0	0	391
Kelantan	1,193	150.65	857	24	0	0	881
Sarawak	947	147.14	23	98	0	707	828
Sabah	7,445	825.37	0	0	0	3,450	3,450
Jumlah/Total:	20,117	3,005.73	6,723	1,185	99	4,491	12,498

MALAYSIA
BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1988
NUMBER AND AREA OF EX-MINING POOLS AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1988

JADUAL (TABLE) 1

Negeri State	Kolam Airtawar Freshwater Ponds		Bilangan Penternak Ikan Number Of Culturists				
	Bilangan Number	Luas (ha) Area (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	1	1.22	0	1	0	0	1
Kedah	4	4.84	1	1	0	0	2
P. Pinang/Penang	0	0.00	0	0	0	0	0
Perak	134	210.61	51	55	0	4	110
Selangor	242	234.79	99	97	1	21	218
W. Persekutuan/ F. Territory	0	0.00	0	0	0	0	0
N. Sembilan	40	15.94	0	40	0	0	40
Melaka/Malacca	0	0.00	0	0	0	0	0
Johor/Johore	1	0.81	1	0	0	0	1
Pahang	2	3.50	0	1	0	0	1
Terengganu	0	0.00	0	0	0	0	0
Kelantan	2	3.50	2	0	0	0	2
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	426	475.21	154	195	1	25	375

MALAYSIA
 ANGARAN PENGELUARAN HASIL IKAN DARI KOLAM DAN BEKAS LOMBONG AIRTAWAR
 MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS AND EX-MINING POOLS
 BY STATE AND SPECIES, 1988
 (Timbangan dalam Tan Metrik/Weight in Tonnes)

JADUAL (TABLE) 15.3

Negeri State	Lampam Java Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Nilotika Tilapia Nilotica	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.52	0.61	0.52	1.29	5.15	7.06	0.00	0.00	1.91	0.00	2.48	19.54
Kedah	51.25	20.39	13.17	14.28	3.37	33.61	0.00	9.80	20.54	0.69	8.06	175.16
P. Pinang/Penang	7.97	1.36	2.46	1.15	0.13	4.96	1.83	0.00	1.95	0.00	4.20	26.01
Perak	118.32	1.46	417.99	175.32	11.55	147.84	115.12	7.24	25.79	0.17	1.57	1,022.37
Selangor	83.63	7.89	138.75	12.55	20.06	316.64	0.00	133.61	52.27	13.78	79.92	859.10
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	131.65	11.82	125.64	37.92	14.67	41.54	11.63	14.86	5.17	0.13	2.26	397.29
Melaka/Malacca	84.54	5.72	23.89	13.01	2.27	29.83	22.17	5.13	23.53	7.21	6.89	224.19
Johor/Johore	38.39	15.97	24.60	16.06	4.64	9.73	87.92	11.67	7.93	9.51	54.10	280.52
Pahang	108.40	39.63	55.64	19.08	3.25	81.40	1.95	7.94	2.14	9.28	12.63	341.34
Terengganu	11.22	3.98	4.28	3.22	0.26	14.84	0.00	3.62	7.09	1.91	6.04	56.46
Kelantan	31.60	17.64	25.58	13.67	2.79	21.61	0.00	15.08	34.51	1.73	0.77	164.98
Sarawak	31.97	20.74	14.07	2.76	0.08	0.56	0.00	3.96	0.00	12.83	23.35	110.32
Sabah	1,230.00	820.00	120.00	84.00	0.00	1,640.00	0.00	0.00	0.00	0.00	206.00	4,100.00
Jumlah/Total:	1,929.46	967.21	966.59	394.31	68.22	2,349.62	240.62	212.91	182.83	57.24	408.27	7,777.28

Nota : Pelbagai - Termasuk Ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.

Note : Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA

JADUAL (TABLE) 15.4

ANGGARAN NILAI BORONG HASIL DARI KOLAM DAN BEKAS LOMBONG AIRTAWAR MENGIKUT NEGERI DAN SPESIES, 1988

ESTIMATED WHOLESALE VALUE OF PRODUCTIONS FROM FRESHWATER PONDS AND EX-MINING POOLS

BY STATE AND SPECIES, 1988

(Nilai dalam M\$ '000/Value in M\$ '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 Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Patin River Catfish	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	1.04	1.22	2.34	3.62	77.25	14.12	0.00	6.69	0.00	0.00	3.72	110.00
Kedah	119.42	52.00	52.68	31.42	42.97	100.83	0.00	63.68	6.90	121.82	12.50	604.22
P. Pinang/Penang	24.71	3.57	7.38	2.30	1.67	15.13	8.24	5.74	0.00	0.00	12.60	81.34
Perak	298.17	3.87	1,124.40	215.65	128.90	356.30	391.41	103.06	0.56	64.80	3.46	2,690.58
Selangor	310.27	31.56	312.19	16.32	235.71	956.26	0.00	189.22	37.90	964.67	245.74	3,299.84
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	398.90	35.94	378.18	81.91	168.71	122.55	34.89	20.68	0.38	71.93	7.62	1,321.69
Melaka/Malacca	245.17	15.33	75.26	28.11	33.01	93.37	71.17	106.83	20.26	30.78	27.36	746.65
Johor/Johore	122.08	51.11	90.04	52.20	75.40	29.68	575.88	27.12	33.57	78.66	257.22	1,392.96
Pahang	346.88	118.89	250.38	47.70	38.35	284.90	10.34	10.70	41.76	39.70	47.37	1,236.97
Terengganu	33.66	11.94	13.91	10.15	2.08	42.45	0.00	24.82	4.78	21.72	18.73	184.24
Kelantan	126.40	79.38	115.11	47.85	27.90	86.44	0.00	134.59	6.41	105.56	1.93	731.57
Sarawak	150.25	93.33	70.35	13.80	0.76	1.68	0.00	0.00	75.69	27.72	114.41	547.99
Sabah	6,500.00	6,600.00	840.00	670.00	0.00	9,000.00	0.00	0.00	0.00	0.00	1,390.00	25,000.00
Jumlah/Total:	8,676.95	17,098.14	3,332.22	1,221.03	832.71	11,103.71	1,091.93	693.13	228.21	1,527.36	2,142.66	37,948.05

Nota : Pelbagai - termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.

Note : Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
 ANGgaran NILAI RUNCIT HASIL DARI KOLAM DAN BEKAS LOMBONG AIRtAWAR MENGIKUT NEGERI DAN SPESIES, 1988
 ESTIMATED RETAIL VALUE OF PRODUCTIONS FROM FRESHWATER PONDS AND EX-MINING POOLS
 BY STATE AND SPECIES, 1988
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 15.5

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 Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Patin River Catfish	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	1.22	1.74	2.60	4.52	87.55	19.07	0.00	7.26	0.00	0.00	4.54	128.50
Kedah	146.07	69.13	65.59	42.13	46.34	108.23	0.00	75.59	8.28	188.36	17.66	767.38
P. Pinang/Penang	30.37	5.66	9.48	2.59	1.87	19.89	9.67	9.01	0.00	0.00	13.23	101.77
Perak	450.80	6.08	1,605.09	394.47	165.86	573.62	606.69	119.41	0.79	83.19	4.95	4,010.95
Selangor	357.10	46.00	492.57	34.64	320.96	1,333.06	0.00	233.13	57.33	1,373.51	357.25	4,605.55
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	625.34	50.24	552.82	153.58	220.05	201.47	58.15	28.44	0.65	104.02	11.26	2,006.02
Melaka/Malacca	317.03	19.17	113.72	55.04	39.55	121.12	31.26	137.42	32.45	39.71	27.56	934.03
Johor/Johore	170.84	71.87	122.51	72.27	88.81	40.29	735.02	39.10	45.46	87.06	361.39	1,834.62
Pahang	482.38	161.30	303.24	83.00	41.77	443.63	12.29	11.77	76.10	44.47	51.16	1,711.11
Terengganu	49.82	17.83	22.47	13.59	2.55	62.78	0.00	36.02	10.13	55.61	25.37	296.17
Kelantan	150.74	84.15	125.35	59.06	32.79	96.17	0.00	168.41	8.10	119.89	2.58	847.24
Sarawak	180.95	107.02	84.42	16.56	0.83	2.05	0.00	0.00	85.48	29.70	132.16	639.17
Sabah	7,146.31	7,265.20	624.00	737.52	0.00	9,889.20	0.00	0.00	0.00	0.00	1,530.58	27,192.81
Jumlah/Total:	10,108.97	7,905.39	4,123.86	1,668.97	1,048.93	12,910.58	1,453.08	865.56	324.77	2,125.52	2,539.69	45,075.32

Nota : Pelbagai - termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.

Note : Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA

JADUAL (TABLE) 16.1

BILANGAN DAN LUAS SANGKAR AIRTAWAR YANG DIUSAHAKAN SERTA
 BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1988
 NUMBER AND AREA OF FRESHWATER CAGES AND NUMBER OF CULTURISTS
 AND STATE, 1988

Negeri State	Sangkar Airtawar Freshwater Cages		Bilangan Penternak Ikan No. Of Culturists				
	Bilangan Number	Luas (m2) Area In Sq. Metres	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	16	144.00	1	0	0	1	2
P. Pinang/Penang	0	0.00	0	0	0	0	0
Perak	226	2,158.18	12	0	0	0	12
Selangor	474	7,316.00	2	405	0	0	407
W. Persekutuan/ F. Territory	0	0.00	0	0	0	0	0
N. Sembilan	72	648.00	1	0	0	0	1
Melaka/Malacca	64	2,090.32	22	23	0	0	45
Johor/Johore	12	103.62	1	1	0	0	2
Pahang	0	0.00	0	0	0	0	0
Terengganu	0	0.00	0	0	0	0	0
Kelantan	52	483.60	11	2	0	0	13
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	916	12,943.72	50	431	0	1	482

MALAYSIA
 ANGGARAN PENGELUARAN HASIL IKAN DARI SANGKAR AIRTAWAR MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1988
 (Timbangan dalam Tan Metrik/Weight in Tonnes)

JADUAL (TABLE) 16.2

Negeri	Lampam Jawa	Lee Koh	Kap Rumput	Kap Kepala Besar	Keli	Tilapia Nilotika	Tilapia Merah	Jelawat	Patin	Pelbagai	Jumlah
State	Javanese Carp	Common Carp	Grass Carp	Big Head Carp	Freshwater Catfish	Tilapia Nilotika	Red Tilapia	River Carp	River Catfish	Miscellaneous	Total
Perlis	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
P. Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.58	0.00	1.06	0.03	0.00	0.50	0.11	0.40	0.88	0.35	3.91
Selangor	0.00	0.00	0.00	0.00	0.00	29.65	0.00	1.95	0.00	0.00	31.60
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	0.00	2.51
Melaka/Malacca	0.02	0.00	0.00	1.57	0.00	5.80	3.29	0.00	1.97	0.00	12.65
Johor/Johore	0.00	0.00	0.04	0.00	0.00	0.01	0.86	0.04	0.03	0.06	1.04
Pahang	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
Kelantan	0.40	0.06	0.08	0.05	0.00	0.13	0.02	0.00	0.00	0.03	0.77
Sarawak	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
Jumlah/Total:	1.00	0.06	1.18	1.65	0.00	38.60	4.28	2.39	2.88	0.44	52.48

* Pelbagai - Termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Miscellaneous - Includes Gobi, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
 ANGGARAN NILAI BORONG HASIL IKAN DARI SANGKAR AIRTAWAR
 MENGIKUT NEGERI DAN SPESIES IKAN 1988
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
 BY STATE AND SPECIES, 1988
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 16.3

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumpit Grass Carp	Kap Kepala Besar Big Head Carp	Keli Freshwater Catfish	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin 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
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P. Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	1.46	0.00	2.85	0.04	0.00	1.21	0.37	3.58	2.86	0.77	13.14
Selangor	0.00	0.00	0.00	0.00	0.00	89.54	0.00	14.08	0.00	0.00	103.62
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	7.40	0.00	0.00	0.00	0.00	7.40
Melaka/Malacca	0.06	0.00	0.00	3.39	0.00	18.15	10.56	0.00	5.54	0.00	37.70
Johor/Johore	0.00	0.00	0.15	0.00	0.00	0.03	5.63	0.27	0.11	0.29	6.48
Pahang	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
Kelantan	1.60	0.27	0.36	0.18	0.00	0.52	0.09	0.00	0.00	0.08	3.10
Sarawak	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
Jumlah/Total:	3.12	0.27	3.36	3.61	0.00	116.85	16.65	17.93	8.51	1.14	171.44

* Pelbagai - Termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Miscellaneous - Includes Goby, Snake Head and River Catfish and Snakeskin Gouramy.

MALAYSIA
 ANGGARAN NILAI RUNCIT HASIL IKAN DARI SANGKAR AIRTAWAR MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1988
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 16.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Keli Freshwater Catfish	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin 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
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P. Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	2.21	0.00	4.07	0.07	0.00	1.94	0.58	4.60	4.06	1.10	18.63
Selangor	0.00	0.00	0.00	0.00	0.00	124.83	0.00	20.05	0.00	0.00	144.88
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	12.17	0.00	0.00	0.00	0.00	12.17
Melaka/Malacca	0.08	0.00	0.00	6.64	0.00	23.55	14.51	0.00	8.87	0.00	53.65
Johor/Johore	0.00	0.00	0.20	0.00	0.00	0.04	7.19	0.30	0.14	0.40	8.27
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	1.91	0.29	0.39	0.22	0.00	0.58	0.10	0.00	0.00	0.10	3.59
Sarawak	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
Jumlah/Total:	4.20	0.29	4.66	6.93	0.00	163.11	22.38	24.95	13.07	1.60	241.19

* Pelbagai - Termasuk ikan-ikan Ketutu, Haruan, Baung dan Sepat Siam.
 Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
 BILANGAN DAN LUAS KOLAM BINAAN AIRPAYAU YANG DIUSAHAKAN SERTA
 BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1988
 NUMBER AND ACREAGE OF BRACKISHWATER PONDS AND NUMBER OF
 CULTURISTS BY RACE AND STATE, 1988

Negeri State	Kolam Airpayau Brackishwater Ponds		Bilangan Penternak Ikan Number Of Culturists				
	Bilangan Number	Luas (ha) Acreage (ha)	Melayu	Cina	India	Lain-Lain	Jumlah
			Malay	Chinese	Indian	Others	Total
Perlis	0	0.00	0	0	0	0	0
Kedah	52	23.47	13	3	1	4	21
P. Pinang/Penang	4	1.63	3	1	0	0	4
Perak	95	38.89	5	10	0	6	21
Selangor	75	16.36	19	9	0	1	29
W. Persekutuan/ F. Territory	0	0.00	0	0	0	0	0
N. Sembilan	0	0.00	0	0	0	0	0
Melaka/Malacca	4	1.54	1	3	0	0	4
Johor/Johore	423	516.97	17	37	0	15	69
Pahang	16	3.84	13	0	0	0	13
Terengganu	20	5.62	15	0	0	0	15
Kelantan	61	8.30	41	3	0	0	44
Sarawak	0	0.00	0	0	0	0	0
Sabah	359	300.00	0	0	0	62	62
Jumlah/Total:	1109	916.62	127	66	1	88	282

MALAYSIA
 ANGARAN PENGELUARAN HASIL IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS BY STATE AND SPECIES, 1988
 (Timbangan dalam Tan Metrik/Weight in Tonnes)

JADUAL (TABLE) 17.2

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Pelbagai Miscellaneous **	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	0.26	0.00	0.00	3.19	0.00	0.00	3.45
P. Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	0.00	43.61	0.00	0.00	43.61
Selangor	1.50	0.00	0.00	1.93	28.28	0.27	0.00	31.98
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	3.80	0.00	0.00	0.00	0.00	0.00	0.00	3.80
Johor/Johore	2.34	0.00	0.00	150.31	673.50	46.73	0.18	873.06
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	1.93	0.00	0.00	0.00	1.61	1.60	0.01	5.15
Kelantan	1.17	0.00	0.00	0.00	1.68	0.00	0.00	2.85
Sarawak	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	350.00	0.00	0.00	350.00
Jumlah/Total:	10.74	0.26	0.00	152.24	1,101.87	48.60	0.19	1,313.90

** Pelbagai - Termasuk ikan-ikan seperti Tanda, Dengkis, Cermin dan Talang.

** Miscellaneous - Includes Snapper, Rabbitfish and Horse Mackerel and Queenfish.

MALAYSIA
 ANGGARAN NILAI BORONG HASIL IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND SPECIES, 1988
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 17.3

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Harimau Tiger Prawn	Udang Putih Banana Prawn	Ketam Mud Crab	Pelbagai Miscellaneous **	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	4.37	0.00	56.14	0.00	0.00	0.00	60.51
P. Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	846.91	0.00	0.00	0.00	846.91
Selangor	12.33	0.00	0.00	577.76	48.25	1.91	0.00	640.25
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	28.50	0.00	0.00	0.00	0.00	0.00	0.00	28.50
Johor/Johore	23.47	0.00	0.00	12,459.75	3,194.09	261.22	1.42	15,939.95
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	13.51	0.00	0.00	34.62	0.00	11.20	0.05	59.38
Kelantan	9.13	0.00	0.00	39.48	0.00	0.00	0.00	48.61
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	6,000.00	0.00	0.00	0.00	6,000.00
Jumlah/Total:	86.94	4.37	0.00	20,014.66	3,242.34	274.33	1.47	23,624.11

Nota ** Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cermin dan Talang
 Note ** Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
 ANGGARAN NILAI RUNCIT HASIL IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND SPECIES, 1988
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 17.4

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Harimau Tiger Prawn	Udang Putih Banana Prawn	Ketam Mud Crab	Pelbagai Miscellaneous **	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	4.49	0.00	60.61	0.00	0.00	0.00	65.10
P. Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	1,090.25	0.00	0.00	0.00	1,090.25
Selangor	14.34	0.00	0.00	775.44	62.57	2.27	0.00	854.62
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	36.10	0.00	0.00	0.00	0.00	0.00	0.00	36.10
Johor/Johore	29.55	0.00	0.00	15,564.59	3,856.95	354.21	1.89	19,807.19
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	15.02	0.00	0.00	14.64	0.00	12.00	0.06	41.72
Kelantan	10.72	0.00	0.00	42.00	0.00	0.00	0.00	52.72
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	7,203.00	0.00	0.00	0.00	7,203.00
Jumlah/Total:	105.73	4.49	0.00	24,750.53	3,919.52	368.48	1.95	29,150.70

Nota ** Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cermin dan Talang
 Note ** Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIRPAYAU YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1988
NUMBER AND AREA OF BRACKISHWATER CAGES AND NUMBER OF CULTURISTS
BY RACE AND STATE, 1988

JADUAL (TABLE) 18.1

Negeri State	Sangkar Airpayau Brackishwater Cages		Bilangan Penternak Ikan No. Of Culturists				
	Bilangan Number	Luas (m2) Area In Sq. Metres	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	910	7,822.78	34	5	0	5	44
P. Pinang/ Penang	5,432	33,173.36	6	48	0	209	263
Perak	3,511	32,647.05	23	79	0	2	104
Selangor	2,619	33,115.43	0	88	0	0	88
W. Persekutuan/ F. Territory	0	0.00	0	0	0	0	0
N. Sembilan	0	0.00	0	0	0	0	0
Melaka/Malacca	0	0.00	0	0	0	0	0
Johor/Johore	3590	41,707.85	48	87	0	1	136
Pahang	0	0.00	0	0	0	0	0
Terengganu	170	1,537.50	23	1	0	0	24
Kelantan	256	2,380.80	21	0	0	0	21
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	16,488	152,384.77	155	308	0	217	680

MALAYSIA
 ANGGARAN PENGELUARAN HASIL IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1988
 (Timbangan dalam Tan Metrik/Weight in Tonnes)

JADUAL (TABLE) 18.2

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Harimau Tiger Prawn	Ketam Mud Crab	Pelbagai Miscellaneous **	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.76	5.41	1.11	0.00	0.00	0.00	0.00	7.28
P. Pinang/Penang	355.94	88.60	106.17	0.00	0.06	15.64	0.00	566.41
Perak	27.69	19.85	2.69	0.00	0.98	0.04	0.00	51.25
Selangor	388.76	7.46	6.32	0.00	1.85	19.03	0.00	423.42
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor/Johore	481.07	6.34	6.87	0.00	0.00	15.00	1.38	510.66
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.24	17.80	0.00	0.00	0.00	0.00	0.00	18.04
Kelantan	1.94	0.27	0.01	0.00	0.00	0.00	0.00	2.22
Sarawak	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
Jumlah/Total:	1,256.40	145.73	123.17	0.00	2.89	49.71	1.38	1,579.28

Nota **: Termasuk ikan-ikan seperti Tanda, Dengkis, Cupak/Cermin dan Talang.

Note : Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
 ANGGARAN NILAI BORONG HASIL IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1988
 (Nilai dalam M\$ '000 / Value in M\$ '000)

JADUAL (TABLE) 18.3

Negeri	Siakap	Kerapu	Jenahak	Udang Harimau	Ketam	Pelbagai	Merah	Jumlah
State	Barramundi	Grouper	Mangrove Snapper	Tiger Prawn	Mud Crab	Miscellaneous	Red Snapper	Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	6.46	90.89	6.66	0.00	0.00	0.00	0.00	104.01
P. Pinang/Penang	3,381.43	1,838.45	1,038.34	1.05	108.39	0.00	0.00	6,367.66
Perak	231.77	350.75	21.44	19.03	0.28	0.00	0.00	623.27
Selangor	3,195.61	96.08	51.57	37.80	134.73	0.00	0.00	3,515.79
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor/Johore	4825.13	117.29	67.46	0.00	83.85	10.90	0.00	5,104.63
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	1.68	142.40	0.00	0.00	0.00	0.00	0.00	144.08
Kelantan	15.13	2.30	0.06	0.00	0.00	0.00	0.00	17.49
Sarawak	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
Jumlah/Total:	11,657.21	2,638.16	1,185.53	57.88	327.25	10.90	0.00	15,876.93

Nota: Pelbagai - Termasuk Ikan-Ikan Tanda, Dengkis, Cernin dan Talang

Note: Miscellaneous - Includes Snapper, Rabbit Fish, Horse Mackerel and Queenfish

MALAYSIA
 ANGGAHAN NILAI RUNCIT HASIL IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1988
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1988
 (Nilai dalam M\$ '000 / Value in M\$ '000)

JADUAL (TABLE) 18.4

Negeri	Siakap	Kerapu	Jenahak	Udang Harimau	Ketam	Merah	Pelbagai	Jumlah
State	Barramundi	Grouper	Mangrove Snapper	Tiger Prawn	Mud Crab	Red Snapper	Miscellaneous	Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	7.98	93.32	8.88	0.00	0.00	0.00	0.00	110.18
P. Pinang/Penang	3666.18	1385.70	1126.46	1.20	113.39	0.00	0.00	6,292.93
Perak	276.90	367.23	26.90	24.50	0.30	0.00	0.00	695.83
Selangor	3716.55	98.85	58.02	50.73	160.04	0.00	0.00	4,084.19
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor/Johore	6075.91	144.24	82.58	0.00	113.70	0.00	14.49	6,430.92
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	1.87	166.25	0.00	0.00	0.00	0.00	0.00	168.12
Kelantan	17.77	2.70	0.06	0.00	0.00	0.00	0.00	20.53
Sarawak	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
Jumlah/Total:	13763.16	2258.29	1302.90	76.43	387.43	0.00	14.49	17802.70

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

Note: Miscellaneous - Includes Snapper, Rabbit Fish, Horse Mackerel and Queenfish

MALAYSIA
BILANGAN PENTERNAK , KAWASAN DAN LUAS KAWASAN
TERNAKAN KERANG MENGIKUT NEGERI 1988
NUMBER OF CULTURISTS , AREA AND SIZE
OF COCKLE CULTURE BY STATE 1988

JADUAL (TABLE) 19.1

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan Tol (ha) Area (ha)
Perlis	4	1	16.20
Kedah	2	2	52.43
P. Pinang / Penang	1259	68	155.34
Perak	132	132	3044.53
Selangor	9	10	851.57
W. Persekutuan/ F. Territory	0	0	0.00
N. Sembilan	0	0	0.00
Melaka/ Malacca	0	0	0.00
Johor/Johore	3	3	57.65
Pahang	0	0	0.00
Terengganu	0	0	0.00
Kelantan	0	0	0.00
Sarawak	0	0	0.00
Sabah	0	0	0.00
Jumlah/Total	1409	216	4177.72

MALAYSIA
PENDARATAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI 1988
PRODUCTION OF COCKLES BY MONTH AND STATE 1988
(TAN METRIK/TONNES)

JADUAL (TABLE) 19.2

Negeri	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah
State	January	February	March	April	May	June	July	August	September	October	November	December	Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.85	32.50	71.35
Kedah	24.08	0.00	0.00	67.68	0.00	64.56	0.00	0.00	34.86	52.08	35.00	9.52	287.78
P. Pinang/Penang	1,106.84	581.75	581.75	681.75	483.53	928.52	520.18	510.54	530.49	0.00	1,651.00	520.50	8,096.85
Perak	1,452.45	2,301.50	1,228.95	1,633.50	1,671.90	2,178.54	1,668.00	1,828.38	2,010.95	1,796.56	1,431.89	1,442.32	20,644.94
Selangor	232.72	197.51	295.24	455.22	505.24	525.38	553.50	546.52	486.22	532.94	595.39	658.87	5,584.75
W. Persekutuan/ F. Territory	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
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
Melaka/Malacca	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/Johore	0.00	0.00	0.00	0.00	0.00	0.00	26.76	51.87	33.15	35.10	24.70	9.75	181.33
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:	2,816.09	3,080.76	2,105.94	2,838.15	2,660.67	3,697.00	2,768.44	2,937.31	3,095.67	2,416.68	3,776.83	2,673.46	34,867.00

MALAYSIA
PENDARATAN BENIH KERANG MENGIKUT BULAN DAN NEGERI 1988
LANDINGS OF COCKLE SEEDS BY MONTH AND STATE 1988
(TAN METRIK/TONNES)

JADUAL (TABLE) 19.3

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
P. Pinang/Penang	54.00	0.00	272.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	326.00
Perak	0.00	0.00	75.00	50.00	250.00	338.00	60.00	0.00	0.00	0.00	0.00	0.00	773.00
Selangor	0.00	1,140.00	540.00	1,536.00	0.00	0.00	0.00	0.00	1,867.20	29.80	2,006.00	0.00	7,119.00
W. Persekutuan/ F. Territory	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
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
Melaka/Malacca	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/Johore	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:	54.00	1,140.00	887.00	1,586.00	250.00	338.00	60.00	0.00	1,867.20	29.80	2,006.00	0.00	8,218.00

MALAYSIA
BILANGAN PENTERNAK , KAWASAN DAN LUAS KAWASAN
TERNAKAN SIPUT SUDU MENGIKUT NEGERI 1988
NUMBER OF CULTURISTS , AREA AND SIZE
OF MUSSELS CULTURE BY STATE 1988

JADUAL (TABLE) 20.1

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan Tol (Meter persegi) Area (Sq.Metre)
Perlis	0	0	0.00
Kedah	0	0	0.00
P. Pinang / Penang	6	2	37.16
Perak	11	4	803.26
Selangor	22	22	1,078.00
W. Persekutuan/ F. Territory	0	0	0.00
N. Sembilan	3	3	469.45
Melaka/ Malacca	45	5	1,605.55
Johor/Johore	47	6	21,527.78
Pahang	0	0	0.00
Terengganu	0	0	0.00
Kelantan	0	0	0.00
Sarawak	0	0	0.00
Sabah	0	0	0.00
Jumlah/Total	134	42	25,521.20

MALAYSIA
PENDARATAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI 1988
PRODUCTION OF MUSSELS BY MONTH AND STATE 1988
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.2

Negeri	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah
State	January	February	March	April	May	June	July	August	September	October	November	December	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
P.Pinang/ Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.49	0.00	0.00	0.00	0.00	1.19
Perak	0.55	1.04	5.27	5.98	5.32	6.46	5.00	5.00	7.71	6.13	6.15	5.67	60.28
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.20	0.00	0.64
W.Persekutuan/ F.Territory	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
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1.05	2.32
Melaka/Malacca	0.10	1.50	0.00	0.00	0.00	0.00	0.00	0.30	0.12	18.59	9.00	13.50	43.11
Johor/Johore	69.20	141.81	160.12	115.00	102.20	183.15	116.65	81.65	91.44	46.95	44.96	107.31	1,260.44
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:	69.85	144.35	165.39	120.98	107.52	189.61	122.35	87.44	99.71	71.67	61.58	127.53	1,367.98

MALAYSIA
PENDARATAN IKAN DARAT DARI PERAIRAN UMUM MENGIKUT BULAN DAN NEGERI 1988
LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES BY MONTH AND STATE 1988
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.3

Negeri	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah
State	January	February	March	April	May	June	July	August	September	October	November	December	Total
Perlis	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.28	0.57
Kedah	0.06	0.00	0.00	7.15	4.30	11.45	3.32	1.09	7.06	0.79	0.90	1.36	37.48
P. Pinang/Penang	1.19	2.35	1.55	1.62	2.08	1.44	2.31	1.70	2.48	1.89	2.12	2.01	22.74
Perak	34.79	28.57	41.90	36.71	29.31	33.84	29.43	50.89	43.99	43.99	30.76	34.92	439.10
Selangor	0.00	0.00	0.00	0.00	0.00	10.40	2.43	4.18	19.52	12.41	12.57	10.64	72.15
W. Persekutuan/ F. Territory	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
N. Sembilan	0.62	0.88	0.76	0.34	0.37	2.18	3.20	4.69	3.04	9.09	8.21	9.00	42.38
Melaka/Malacca	1.71	1.48	1.62	1.83	1.76	1.93	0.88	0.67	0.69	0.76	0.60	0.61	14.54
Johor/Johore	14.37	12.12	13.75	14.12	9.67	7.78	7.34	6.26	7.83	7.19	9.80	10.64	120.87
Pahang	35.10	5.36	25.67	7.46	7.48	19.53	6.95	7.57	4.34	6.74	5.27	5.24	136.71
Terengganu	5.28	2.97	3.18	8.71	0.44	3.84	2.06	1.54	0.58	3.61	3.16	4.03	39.40
Kelantan	2.34	2.33	2.78	2.98	2.21	0.00	0.00	2.18	1.95	2.19	3.07	2.55	24.58
Sarawak	3.00	4.50	2.00	5.25	3.75	3.00	4.01	2.16	7.89	1.02	5.12	3.45	45.15
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:	98.46	60.56	93.21	86.34	61.37	95.39	61.93	82.93	99.49	89.68	81.58	84.73	995.67

MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1988
WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1988
(\$/Kg)

JADUAL (TABLE) 21.1

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Keli Freshwater Catfish	Patin River Catfish	Jelawat River Carp	Pelbagai Miscellaneous
Perlis	2.00	2.00	4.50	2.80	2.00	0.00	15.00	3.50	0.00	0.00	1.50
Kedah	2.33	2.55	4.00	2.20	3.00	0.00	12.75	3.10	10.00	12.43	1.55
P. Pinang/Penang	3.10	2.62	3.00	2.00	3.05	4.50	12.80	2.94	4.00	10.00	3.00
Perak	2.52	2.65	2.69	1.23	2.41	3.40	11.16	4.00	3.25	8.95	2.20
Selangor	3.71	4.00	2.25	1.30	3.02	4.50	11.75	3.62	2.75	7.22	3.37
M. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	3.03	3.04	3.01	2.16	2.95	3.00	11.50	4.00	2.87	4.84	3.37
Melaka/Malacca	2.90	2.68	3.15	2.16	3.13	3.21	14.54	4.54	2.81	6.00	3.97
Johor/Johore	3.18	3.20	3.66	3.25	3.05	6.55	16.25	3.42	3.53	6.74	4.76
Pahang	3.20	3.00	4.50	2.50	3.50	5.30	11.80	5.00	4.50	5.00	3.75
Terengganu	3.00	3.00	3.25	3.15	2.86	0.00	8.00	3.50	2.50	6.00	3.10
Kelantan	4.00	4.50	4.50	3.50	4.00	4.50	10.00	3.90	3.70	7.00	2.50
Sarawak	4.70	4.50	5.00	5.00	3.00	0.00	9.50	0.00	5.90	7.00	4.90
Sabah	5.29	8.05	7.00	7.98	5.48	0.00	0.00	0.00	0.00	0.00	6.75
Harga Bertimbang	3.17	3.59	2.98	1.77	2.92	4.90	12.44	3.82	4.71	7.16	4.38

Nota: Pelbagai - Termasuk Ikan-Ikan Ketutu, Haruan, Baung dan Sepat Siam
Note: Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
HARGA RUNCIT IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1988
RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1988
(\$/Kg)

JADUAL (TABLE) 21.2

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Keli Freshwater Catfish	Patin River Catfish	Jelawat River Carp	Pelbagai Miscellaneous
Perlis	2.33	2.85	5.00	3.50	2.70	0.00	17.00	3.80	0.00	0.00	1.83
Kedah	2.85	3.39	4.98	2.95	3.22	0.00	13.75	3.68	12.00	19.22	2.19
P. Pinang/Penang	3.81	4.16	3.85	2.25	4.01	5.28	14.35	4.62	4.61	11.44	3.15
Perak	3.81	4.16	3.84	2.25	3.88	5.27	14.36	4.63	4.61	11.49	3.15
Selangor	4.27	5.83	3.55	2.76	4.21	4.50	16.00	4.86	4.16	10.28	4.47
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	4.75	4.25	4.40	4.05	4.85	5.00	15.00	5.50	5.00	7.00	4.98
Melaka/Malacca	3.75	3.35	4.76	4.23	4.06	4.41	17.42	5.84	4.50	7.74	4.00
Johor/Johore	4.45	4.50	4.98	4.50	4.14	8.36	19.14	4.93	4.78	7.46	6.68
Pahang	4.45	4.07	5.45	4.35	5.45	6.30	12.85	5.50	8.20	5.60	4.05
Terengganu	4.44	4.48	5.25	4.22	4.23	0.00	9.80	5.08	5.30	15.36	4.20
Kelantan	4.77	4.77	4.90	4.32	4.45	5.00	11.75	4.88	4.68	7.95	3.34
Sarawak	5.66	5.16	6.00	6.00	3.66	0.00	10.33	0.00	6.66	7.50	5.66
Sabah	5.81	8.86	7.70	8.78	6.03	0.00	0.00	0.00	0.00	0.00	7.43
Harga Bertimbang	4.28	4.48	4.11	2.93	4.23	6.68	15.38	4.86	5.94	9.56	5.56

Nota: Pelbagai - Termasuk Ikan-Ikan Ketutu, Haruan, Baung dan Sepat Siam
Note: Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
HARGA BORONG IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1988
WHOLESALE PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1988.
(\$/Kg)

JADUAL (TABLE) 21.3

Negeri/State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Ketam Mud Crab	Udang Harimau Tiger Prawn	Kerang Cockles	Kupang Mussels	Pelbagai Miscellaneous
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00
Kedah	8.50	16.80	6.00	0.00	0.00	0.00	17.60	0.25	0.00	5.00
P. Pinang/Penang	9.50	15.64	9.78	0.00	0.00	6.93	17.60	0.35	0.40	11.00
Perak	8.37	17.67	7.97	0.00	0.00	7.00	19.42	0.35	0.55	0.00
Selangor	8.22	12.88	8.16	0.00	25.00	7.08	20.43	0.24	0.70	0.00
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00
Melaka/Malacca	7.50	0.00	0.00	0.00	0.00	6.40	0.00	0.00	0.50	0.00
Johor/Johore	10.03	18.50	9.82	0.00	21.25	5.59	18.50	0.25	0.33	7.90
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	7.00	8.00	0.00	0.00	0.00	7.00	21.50	0.00	0.00	5.00
Kelantan	7.80	8.50	5.50	0.00	0.00	0.00	23.50	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
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	17.15	0.00	0.00	0.00
Harga Bertimbang	9.27	15.00	9.63	0.00	21.30	6.12	18.65	0.33	0.35	7.88

* Pelbagai - termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
Miscellaneous - includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
HARGA RUNCIT IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1988.
RETAIL PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1988
(\$/Kg)

JADUAL (TABLE) 21.4

Negeri/State	Jenis Ikan/Species									
	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Ketam Mud Crab	Udang Harimau Tiger Prawn	Kerang Cockles	Kupang Mussels	Pelbagai Miscellaneous
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Kedah	10.50	17.25	8.00	0.00	0.00	0.00	19.00	0.50	0.00	5.50
P. Pinang/Penang	10.30	20.75	10.61	0.00	0.00	7.25	20.00	0.65	0.60	10.00
Perak	10.00	18.50	10.00	0.00	0.00	7.50	25.00	0.60	1.00	0.00
Selangor	9.56	13.25	9.18	0.00	32.42	8.41	27.42	0.45	1.15	0.00
W. Persekutuan/ F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Melaka/Malacca	9.50	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.60	0.00
Johor/Johore	12.63	22.75	12.02	0.00	25.66	7.58	23.11	0.65	0.65	10.50
Pahang	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	7.78	9.50	0.00	0.00	0.00	7.50	24.00	0.00	0.00	6.00
Kelantan	9.16	10.00	6.00	0.00	0.00	0.00	25.00	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
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	20.58	0.00	0.00	0.00
Harga Bertimbang/ Weighted Price	10.95	15.52	10.58	0.00	25.75	7.69	23.39	0.62	0.66	10.47

* Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
PENGELUARAN BENIH IKAN AIRTAWAR DARI PUSAT-PUSAT PEMBAIKBIK IKAN
KERAJAAN MENGIKUT PUSAT DAN SPESIES, 1988
FRESHWATER FINGERLINGS PRODUCTION OF GOVERNMENT HATCHERIES
BY HATCHERY AND SPECIES, 1988

JADUAL (TABLE) 22.1

Spesies (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	Keli Freshwater Catfish	Jumlah (Total)
Bukit Tinggi,	3,081,736	146,026	15,910	920	559,603	1,472,342	1,300	5,277,837
Jitra, Kedah	1,467,654	945,556	43,997	359,459	171,642	696,247	0	3,684,555
Enggor, Perak	51,000	0	148,595	0	0	0	306,606	506,201
Kong Kong, Johor	200,670	31,770	0	17,750	33,625	0	0	283,815
Jumlah/Total:	4,801,060	1,123,352	208,502	378,129	764,870	2,168,589	307,906	9,752,408

MALAYSIA
 PENGELUARAN BENIH-BENIH IKAN/UDANG DARI PUSAT-PUSAT KERAJAAN
 MENGIKUT PUSAT DAN SPESIES, 1988
 PRODUCTION OF FINGERLINGS FROM GOVERNMENT HATCHERIES
 BY HATCHERY AND SPECIES, 1988

JADUAL (TABLE) 22.2

Species (Species) Pusat Penetasan (Hatchery)	Udang Galah Giant Fresh- water prawn	Udang Harimau Tiger prawn	Siakap Barramundi	Jumlah Total
PPUG Kg. Aceh	1,526,039	959,000	0	2,485,039
PPPBUK Pulau Sayak	5,729,938	34,955,496	0	40,685,434
PPUG Sabak	596,928	0	0	596,928
PPUG Tg. Demong	0	0	36,718,928	36,718,928
Jumlah/Total:	7,852,905	35,914,496	36,718,928	80,486,329

* PPUG - Pusat Penetasan Udang Galah
 (Giant Freshwater Prawn Hatchery Center)
 PPPBUK - Pusat Pengeluaran dan Penyelidikan
 Benih Udang Kebangsaan
 (National Prawn Fry Production And Research Center)

PEMBAHAGIAN BENIH-BENIH IKAN UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN
KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIES IKAN, 1988.
DISTRIBUTION OF FRESHWATER FRY FOR MISCELLANEOUS PURPOSES AND RELEASED
INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 1988.

Negeri State	Kegunaan Pelbagai/Miscellaneous Purposes								Pelepasan Ke Perairan Umum/Released Into Public Waterbodies							Jumlah Besar
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Keli River Catfish	Jumlah Kecil Sub Total	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Jumlah Total	Grand Total
Perlis	0	0	0	0	0	0	0	0	153,725	120,450	0	77,000	7,700	1,100	359,975	359,975
Kedah	1,205,059	13,042	4,055	53,603	73,267	25,958	0	1,374,984	416,246	173,255	20,955	73,205	80,405	55	764,121	2,139,105
P. Pinang/ Penang	176	22	11	39	11	110	0	369	0	0	0	0	0	0	0	369
Perak	11,880	33,770	0	55	0	0	0	45,705	173,665	266,717	9,900	421,300	0	800	698,717	744,422
Selangor	19,537	0	0	144,000	0	11,650	0	175,187	95,000	3,000	0	0	0	20,000	118,000	293,187
W. Persekutuan/ F. Territory	2,050	0	0	0	0	850	0	2,900	212,650	0	0	484,800	0	0	697,450	700,350
N. Sembilan	0	0	0	0	0	0	0	0	900	0	0	0	0	0	900	900
Melaka/Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johor/Johore	18,096	1,810	0	0	9,750	2,215	0	31,871	85,000	0	0	0	0	0	85,000	116,871
Pahang	46,150	43,000	22,400	3,100	0	18,450	0	133,100	402,800	5,100	0	360,300	0	76,250	844,450	977,550
Terengganu	223,500	0	0	0	0	15,000	0	238,500	68,000	0	0	144,000	0	0	212,000	450,500
Kelantan	150	200	0	0	0	1,150	0	1,500	359,082	8,228	9,750	301,600	15,400	10,000	704,060	705,560
Sarawak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah/Total:	1,526,598	91,844	26,466	200,797	83,028	75,383	0	2,004,116	1,793,403	576,750	40,605	1,862,205	103,505	108,205	4,484,673	6,488,789

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIRTAWAR KEPADA PENTERNAK
MENGIKUT NEGERI DAN SPESIES IKAN BAGI TAHUN 1988.
DISTRIBUTION OF FRESHWATER FISH FRY TO CULTURISTS
BY STATE AND SPECIES, 1988.

JADUAL (TABLE) 22.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Keli River Catfish	Jumlah Total
Perlis	14,146	19,107	165	13,723	3,619	20,174	0	70,934
Kedah	195,348	94,692	6,400	25,332	18,613	69,508	27,000	436,893
P. Pinang/ Penang	37,950	6,215	20,400	3,575	27,500	27,973	15,000	138,613
Perak	64,870	5,950	37,685	6,885	28,750	85,983	179,606	409,729
Selangor	543,816	100	11,000	0	0	66,945	45,000	666,861
W. Persekutuan/ F. Territory	2,500	0	0	0	0	5,975	0	8,475
N. Sembilan	76,850	5,500	200	0	0	2,000	0	84,550
Melaka/Malacca	0	0	0	0	0	0	0	0
Johor/Johore	139,400	29,910	0	0	8,100	32,320	0	209,730
Pahang	1,051,181	146,236	74,370	47,757	0	248,396	0	1,567,940
Terengganu	134,420	80,300	0	11,385	57,805	15,400	0	299,310
Kelantan	182,502	87,878	3,200	2,469	45,914	39,221	40,000	401,184
Sarawak	0	0	0	0	0	0	0	0
Sabah	0	0	0	0	0	0	0	0
Jumlah/Total:	2,442,983	475,888	153,420	111,126	190,301	613,895	306,606	4,294,219

MALAYSIA
BILANGAN PUSAT PENETASAN SWASTA DAN PENGELUARANNYA
MENGIKUT SPESIES DAN NEGERI, 1988.
NUMBER OF PRIVATE HATCHERIES AND PRODUCTION BY SPECIES AND STATE, 1988

JADUAL (TABLE) 22.5

Negeri State	Bil. Pusat Penetasan No. of Hatchery	Udang Harimau Tiger Prawn	Udang Putih Banana Prawn	Tilapia Nilotika Tilapia Nilotica	Tilapia Merah Red Tilapia	Kap Jepun Japanese Carp	Lee Koh Common Carp	Udang Galah Giant Freshwater Prawn	Pelbagai Miscellaneous	Jumlah Total
Perlis	0	0	0	0	0	0	0	0	0	0
Kedah	2	15,500,000	0	0	0	0	0	0	829,000	16,329,000
P. Pinang/Penang	1	7,527,801	0	0	0	0	0	0	0	7,527,801
Perak	5	8,000,000	0	30,000	40,000	0	0	0	440,000	8,510,000
Selangor	3	12,000,000	0	0	400,000	360,000	360,000	0	98,300	13,218,300
W. Persekutuan/ F. Territory	0	0	0	0	0	0	0	0	0	0
N. Sembilan	1	0	0	0	0	0	0	0	0	0
Melaka	3	7,500,000	0	0	0	0	20,000	0	855,000	8,375,000
Johor	11	131,000,000	69,550,000	0	0	0	0	0	0	200,550,000
Pahang	0	0	0	0	0	0	0	0	0	0
Terengganu	0	0	0	0	0	0	0	0	0	0
Kelantan	0	0	0	0	0	0	0	0	0	0
Sarawak	0	0	0	0	0	0	0	0	0	0
Sabah	0	0	0	0	0	0	0	0	0	0
Jumlah/Total	26	181,527,801	69,550,000	30,000	440,000	360,000	380,000	0	2,222,300	254,510,101