

MALAYSIA
ANGGARAN BILANGAN DAN LUAS KOLAM, BEKAS LOMBONG DAN BANGKAR YANG DIUSAHAKAN
BERTA BILANGAN PENTERNAK MENGIKUT SISTEM PENTERNAKAN DAN NEGERI 1990
ESTIMATED NUMBER AND AREA OF PONDS, DISUSED MINING POOLS AND CAGES
AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 1990

JADUAL (TABLE) 13.1

Negeri State	Airtawar/Freshwater									Airpayau/Brackishwater						Jumlah/Total					
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Bangkar Cages			Kolam Ponds			Bangkar Cages			Kolam & Bekas Lombong Ponds & Ex-Mining Pools			Bangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturists
Perlis	108	20.36	86	2	1.32	1	0	0.00	0	2	1.18	1	0	0.00	0	112	22.86	86	0	0.00	0
Kedah	982	236.84	503	3	6.25	3	20	180.72	3	154	83.71	47	170	74.12	51	1,136	326.80	553	190	254.84	54
Pulau Pinang/ Penang	225	29.77	154	0	0.00	0	0	0.00	0	3	0.34	3	10,217	61,724.80	188	228	30.11	157	10,217	61,724.80	188
Perak	2,381	419.71	1,601	154	272.00	127	366	4,853.36	36	135	64.41	36	6,383	48,456.86	157	2,670	756.12	1,764	6,749	53,310.22	192
Selangor	2,701	450.74	1,536	226	300.12	141	706	11,371.20	9	188	66.63	100	5,920	75,360.89	146	3,115	807.49	1,777	6,626	86,732.09	155
W.Persatuan/ 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	2,696	508.50	2,202	30	49.30	28	72	648.00	1	17	15.80	2	0	0.00	0	2,743	573.60	2,232	72	648.00	1
Malaka/Malacca	1,098	405.67	886	0	0.00	0	337	3,211.48	49	137	16.28	75	0	0.00	0	1,235	421.95	961	337	3,211.48	49
Johor/Johore	1,938	279.30	921	12	11.74	12	76	773.78	16	584	607.48	128	4,136	49,907.17	183	2,534	688.52	1,061	4,212	50,680.95	199
Pahang	2,112	381.86	1,514	0	0.00	0	0	0.00	0	253	242.86	9	0	0.00	0	2,365	624.72	1,523	0	0.00	0
Terengganu	623	83.85	513	0	0.00	0	0	0.00	0	76	20.69	31	230	1,950.94	23	699	104.54	544	230	1,950.94	23
Kelantan	1,544	198.14	1,091	0	0.00	0	42	374.32	11	63	20.25	41	148	5,496.48	23	1,607	218.39	1,132	190	5,870.80	34
Sarawak	1,476	210.78	1,224	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	1,476	210.78	1,224	0	0.00	0
Sabah	8,884	1,023.00	4,012	0	0.00	0	0	0.00	0	447	432.31	121	0	0.00	0	9,331	1,455.31	4,133	0	0.00	0
Jumlah/Total:	26,768	4,248.52	16,243	427	640.73	312	1,649	21,412.86	124	2,059	1,551.94	594	27,174	242,971.26	771	29,254	6,441.19	17,149	28,823	294,384.12	895

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 AIRTAWAR YANG DIBUKA
 DAN TERBIAR SERTA BILANGAN PENTERNAK MENGIKUT NEGERI, 1990
 ESTIMATED NUMBER AND AREA OF NEWLY OPENED AND ABANDONED PONDS, DISUSED MINING POOLS
 AND CAGES AND NUMBER OF CULTURISTS BY STATE, 1990

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. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area In Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists
Perlis	0	0.00	0	0	0.00	0	0	0.00	0	45	7.90	43	0	0.00	0	0	0.00	0
Kedah	3	0.23	2	0	0.00	0	6	45.00	2	239	98.09	123	0	0.00	0	0	0.00	0
Pulau Pinang/	6	0.97	1	0	0.00	0	5	0.00	0	78	5.78	24	0	0.00	0	0	0.00	0
Perak	34	12.09	78	4	8.90	3	3	32.98	2	0	0.00	0	0	0.00	0	0	0.00	0
Selangor	786	212.90	287	0	0.00	0	122	11,371.20	200	0	0.00	0	0	0.00	0	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	9	0.97	9	0	0.00	0	8.9	0.00	1	65	8.29	67	0	0.00	0	0	0.00	0
Melaka/Malacca	32	7.98	42	0	0.00	0	34.8	0.00	49	239	32.12	187	3	4.78	2	0	0.00	0
Johor/Johore	432	26.42	43	0	0.00	0	6.78	0.00	16	45	7.89	17	0	0.00	0	0	0.00	0
Pahang	67	24.78	36	0	0.00	0	17.8	0.00	0	89	17.98	67	2	4.78	1	0	0.00	0
Terengganu	56	7.09	42	0	0.00	0	4.23	0.00	0	78	4.67	67	0	0.00	0	0	0.00	0
Kelantan	89	6.09	32	0	0.00	0	11	0.00	11	89	10.87	89	0	0.00	0	0	0.00	0
Sarawak	1,078	208.94	675	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:	2,592	508.46	1,247	4	8.90	3	220	11,449.18	281	967	193.59	684	5	9.56	3	0	0.00	0

* 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.

MALAYSIA
 ANGGARAN BILANGAN DAN LUAS, SERTA BILANGAN PENTERNAK
 KOLAM DAN SANGKAR AIRPAYAU YANG DI BUKA DAN TERBIAR, 1990
 ESTIMATED NUMBER AND AREA OF NEWLY OPENED AND ABANDONED BRACKISHWATER PONDS
 AND CAGES AND NUMBER OF CULTURISTS BY STATE, 1990

JADUAL (TABLE) 13.3

	Dibuka dan Beroperasi/Opened and Operation						Terbiar/Abandoned					
Negeri State	Kolam Ponds			Sangkar Cages			Kolam Ponds			Sangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturists
Perlis	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Kedah	11	10.78	5	25	198.21	1	18	4.03	6	42	301.07	7
Pulau Pinang/Penang	0	0.00	0	62	512.68	7	5	0.45	3	48	423.98	6
Perak	3	0.78	2	95	908.21	2	0	0.00	0	16	215.86	1
Selangor	7	4.89	5	816	7,887.00	6	0	0.00	0	0	0.00	0
W.Persekutuan/ F. Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N.Sembilan	1	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Melaka/Malacca	2	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Johor/Johore	9	8.05	8	179	893.25	9	22	7.82	9	43	689.21	12
Pahang	0	0.00	0	0	0.00	0	31	7.08	16	0	0.00	0
Terengganu	5	0.45	3	16	201.68	1	32	4.03	14	6	63.00	2
Kelantan	0	0.00	0	4	106.29	2	21	2.81	16	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:	38.00	24.95	23	1,197	10,707.32	28	129	26.22	64	155	1,693.12	28

* 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.

MALAYS..
 ANGGARAN JUMLAH PENGELUARAN IKAN TERNAKAN, KERANG DAN SIPUT SUDU MENGIKUT
 NEGERI DAN SISTEM TERNAKAN 1990
 ESTIMATED PRODUCTIONS OF FISH, COCKLE AND MUSSELS
 BY STATE AND CULTURE SYSTEM 1990
 (TAN METRIK/TONNES)

JADUAL (TABLE) 14.1

Negeri State	Air tawar/Freshwater			Air payau/Brackishwater				Jumlah Kecil/Sub-total				Jumlah Grand Total tan metrik/ tonnes
	Kolam Ponds	B.Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	Kolam/Bekas Ponds/Ex-Mining Pools	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	
Perlis	37.17	0.00	0.00	0.02	0.00	26.18	0.00	37.19	0.00	26.18	0.00	63.37
Kedah	111.60	11.60	5.30	21.46	8.27	151.60	0.20	144.66	13.57	151.60	0.20	310.03
P.Pinang/Penang	29.00	0.00	0.00	1.27	538.18	8,032.85	0.00	30.27	538.18	8,032.85	0.00	8,601.30
Perak	946.98	575.09	21.18	50.10	158.69	18,451.80	108.80	1,572.16	179.87	18,451.80	108.80	20,312.63
Selangor	645.86	258.60	80.70	46.47	1,011.59	5,456.12	6.79	950.93	1,092.29	5,456.12	6.79	7,506.13
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.16
N. Sembilan	236.75	42.20	0.10	8.37	0.00	0.00	13.27	267.32	0.10	0.00	13.27	300.69
Malaka/Malacca	186.52	0.00	29.36	6.29	1.98	0.00	180.47	192.81	31.34	0.00	180.47	404.62
Johor/Johore	165.65	17.20	341.86	1,524.50	330.67	173.44	1,272.51	1,707.35	672.53	173.44	1,272.51	3,825.84
Palang	347.43	0.00	0.00	519.88	0.00	0.00	0.00	867.31	0.00	0.00	0.00	867.31
Terengganu	19.28	0.00	36.81	4.11	3.19	0.00	0.00	23.39	39.99	0.00	0.00	63.38
Kelantan	173.35	0.00	0.95	12.22	1.95	0.00	0.00	185.57	2.89	0.00	0.00	188.47
Sarawak	168.68	0.00	0.00	50.20	0.00	0.00	0.00	218.88	0.00	0.00	0.00	218.88
Sabah	5,200.00	0.00	0.00	800.00	0.00	3,640.00	0.00	6,000.00	0.00	3,640.00	0.00	9,640.00
Jumlah/Total:	8,268.27	904.69	516.25	3,045.04	2,054.52	35,931.99	1,582.03	12,218.00	2,570.77	35,931.99	1,582.03	52,302.79

MALAYSIA
 ANGGARAN NILAI BORONG IKAN TERNAKAN, KERANG DAN SIPUT SUDU MENGIKUT
 NEGERI DAN SISTEM TERNAKAN 1990
 ESTIMATED WHOLESALE VALUE OF FISH, COCKLE AND MUSSELS
 BY STATE AND CULTURE SYSTEM 1990
 (NILAI DALAM M\$ '000/VALUE IN M\$ '000)

JADUAL (TABLE) 14.2

Negeri State	Airtawar/Freshwater			Airpayau/Brackishwater				Jumlah (M\$)/Total (M\$)				Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	Kolam & Bekas Lombong Ponds & Ex-mining Pools	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	
Pertis	311.36	0.00	0.00	0.14	0.00	7.59	0.00	311.50	0.00	7.59	0.00	319.09
Kedah	623.04	54.95	12.76	374.99	93.67	47.00	0.10	1,052.98	106.43	47.00	0.10	1,206.51
P.Pinang/Penang	47.38	0.00	0.00	10.82	4,845.50	2,409.86	0.00	58.20	4,845.50	2,409.86	0.00	7,313.56
Perak	4,597.84	1,625.64	48.78	741.97	1,422.73	5,904.58	65.28	6,965.45	1,471.51	5,904.58	65.28	14,406.82
Selangor	6,561.62	511.49	270.81	788.28	8,806.26	2,728.06	6.31	7,861.39	9,077.07	2,728.06	6.31	19,672.83
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	1,364.80	315.84	0.38	163.63	0.00	0.00	11.28	1,844.27	0.38	0.00	11.28	1,855.93
Malaka/Malacca	1,091.10	0.00	119.26	110.25	19.47	0.00	79.41	1,201.35	138.73	0.00	79.41	1,419.49
Johor/Johore	632.68	68.99	1,599.18	18,460.83	3,188.49	38.16	559.90	19,162.50	4,787.67	38.16	559.90	24,548.23
Pahang	3,041.19	0.00	0.00	6,959.44	0.00	0.00	0.00	10,000.63	0.00	0.00	0.00	10,000.63
Terengganu	119.48	0.00	127.37	53.51	18.97	0.00	0.00	172.99	146.34	0.00	0.00	319.33
Kelantan	882.29	0.00	3.26	172.29	15.53	0.00	0.00	1,054.58	18.79	0.00	0.00	1,073.37
Sarawak	949.74	0.00	0.00	753.00	0.00	0.00	0.00	1,702.74	0.00	0.00	0.00	1,702.74
Sabah	33,300.00	0.00	0.00	12,000.00	0.00	3,640.00	0.00	45,300.00	0.00	3,640.00	0.00	48,940.00
Jumlah/Total:	53,522.52	2,576.91	2,181.80	40,589.15	18,410.62	14,775.25	722.28	96,688.58	20,592.42	14,775.25	722.28	132,778.53

MALAYSIA
 ANGGAHAN NILAI RUNCIT IKAN TERNAKAN, KERANG DAN SIPUT SUDU
 MENGIKUT NEGERI DAN SISTEM TERNAKAN 1990
 ESTIMATED RETAIL VALUE OF FISH, COCKLE AND MUSSEL
 BY STATE AND CULTURE SYSTEM 1990
 (NILAI DALAM M\$ '000/VALUE IN M\$ '000)

JADUAL (TABLE) 14.3

Negeri State	Air tawar/Freshwater			Air payau/Brackishwater				Jumlah (M\$)/Total (M\$)				Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	Kolam & Bekas Lombong Ponds & Ex-mining Pools	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	
Perlis	358.39	0.00	0.00	0.16	0.00	8.38	0.00	358.55	0.00	8.38	0.00	366.93
Kedah	898.85	58.27	18.65	401.00	101.73	88.22	0.20	1,354.11	120.39	88.22	0.20	1,542.92
P.Pinang/Penang	60.09	0.00	0.00	12.15	5,483.22	3,052.48	0.00	72.24	5,483.22	3,052.48	0.00	8,607.94
Perak	6,175.09	2,279.45	78.13	845.91	1,794.73	9,225.90	108.80	9,300.45	1,872.88	9,225.90	108.80	20,508.01
Selangor	8,028.60	628.52	363.51	960.66	9,651.82	3,055.43	7.67	9,617.78	10,015.34	3,055.43	7.67	22,696.22
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	1,798.68	177.66	0.40	181.98	0.00	0.00	13.27	2,158.32	0.40	0.00	13.27	2,169.99
Malaka/Malacca	1,388.59	0.00	137.54	120.63	21.58	0.00	15.52	1,507.22	159.12	0.00	15.52	1,681.86
Johor/Johore	780.61	71.79	1,935.27	21,861.88	3,555.33	97.13	941.68	22,714.28	5,490.59	97.13	941.68	29,243.65
Pahang	3,489.05	0.00	0.00	7,603.39	0.00	0.00	0.00	11,092.45	0.00	0.00	0.00	11,092.45
Terengganu	139.23	0.00	155.02	60.52	0.00	0.00	0.00	199.75	155.02	0.00	0.00	354.77
Kelantan	1,078.94	0.00	3.72	202.95	6.60	0.00	0.00	1,281.89	10.32	0.00	0.00	1,292.21
Sarawak	1,781.39	0.00	0.00	903.60	0.00	0.00	0.00	18,245.39	0.00	0.00	0.00	18,245.39
Sabah	36,032.80	0.00	0.00	16,464.00	0.00	0.00	0.00	52,496.80	0.00	0.00	0.00	52,496.80
Jumlah/Total:	62,004.31	3,213.69	2,692.23	49,618.83	20,615.01	15,507.54	1,087.12	130,397.22	23,307.25	15,507.54	1,087.12	170,299.13

MALAYSIA
 BILANGAN DAN LUAS KOLAM BINAAN AIRTAWAR YANG DIUSAHAKAN
 SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1990
 NUMBER AND AREA OF FRESHWATER PONDS IN OPERATION AND
 NUMBER OF CULTURISTS BY RACE AND STATE, 1990

Negeri State	Kolam Airtawar Freshwater Ponds		Bilangan Penternak Ikan Number Of Culturists				Jumlah Total
	Bilangan NUMBER	Luas (ha) Area (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	
Perlis	108	20.36	83	1	0	2	86
Kedah	982	236.84	476	6	0	21	503
P.Pinang/Penang	225	29.77	126	12	6	10	154
Perak	2,381	419.71	1,312	219	22	48	1,601
Selangor	2,701	450.74	1,027	291	47	171	1,536
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	2,696	508.50	1,876	172	13	141	2,202
Melaka/Malacca	1,098	405.67	710	146	11	19	886
Johor/Johore	1,938	279.30	614	279	2	26	921
Pahang	2,112	381.86	1,168	209	5	132	1,514
Terengganu	623	83.85	511	2	0	0	513
Kelantan	1,544	198.14	1,055	35	1	0	1,091
Sarawak	1,476	210.78	34	144	0	1,046	1,224
Sabah	8,884	1,023.00	0	744	0	3,268	4,012
Jumlah/Total:	26,768	4,248.52	8,992	2,260	107	4,884	16,243

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN, 1990
 ESTIMATED FISH PRODUCTIONS FROM FRESHWATER PONDS
 BY STATE AND SPECIES, 1990
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 15.2

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	Pelbagai Miscellaneous	Jumlah Total
Perlis	5.31	2.79	0.19	3.55	2.75	1.63	19.39	0.19	0.19	0.19	0.97	37.17
Kedah	8.93	7.12	2.15	3.38	3.21	4.86	9.24	0.00	0.57	70.41	1.72	111.60
P.Pinang/ Penang	6.00	3.00	8.00	0.00	0.00	1.50	8.00	0.00	0.00	2.50	0.00	29.00
Perak	107.33	3.90	381.87	32.11	91.59	101.03	53.36	2.18	29.29	130.65	13.66	946.98
Selangor D.E.	84.39	0.00	78.06	4.70	11.00	9.80	179.75	5.10	118.68	116.58	37.80	645.86
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	60.74	9.08	56.90	13.82	8.53	0.10	53.59	0.00	2.95	10.59	20.46	236.75
Melaka/Malacca	35.98	7.18	21.22	11.37	2.58	15.15	25.34	1.02	6.21	41.22	19.26	186.52
Johor/Johore D.T.	4.18	0.00	156.60	0.00	0.00	2.78	0.00	0.00	0.00	1.39	0.70	165.65
Pahang D.M.	85.54	32.13	60.92	13.21	1.80	16.20	48.09	0.00	28.53	26.42	34.58	347.43
Terengganu	4.00	0.35	1.30	1.35	0.13	3.25	4.90	0.00	1.25	1.20	1.55	19.28
Kelantan	33.60	23.49	29.65	6.36	1.26	18.20	26.32	0.03	7.86	16.07	10.52	173.35
Sarawak	25.67	20.53	35.94	35.94	0.00	0.00	0.00	30.80	0.00	0.00	19.80	168.68
Sabah	1,298.00	1,038.00	156.00	104.00	0.00	0.00	0.00	0.00	0.00	0.00	2,604.00	5,200.00
Jumlah/Total:	1,759.66	1,147.56	988.81	229.79	122.85	174.50	427.99	39.33	195.54	417.22	2,765.01	8,268.27

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 BORONG PENGELUARAN IKAN DARI KOLAM AIR TAWAR
MENGIKUT NEGERI DAN SPESIS, 1990
ESTIMATED WHOLESALE VALUE OF PRODUCTIONS FROM FRESHWATER PONDS
BY STATE AND SPECIES, 1990
(Nilai Dalam M\$'000/Value In M\$'000)

JADUAL (TABLE) 15.3

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumpit Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	13.26	8.36	0.42	6.72	7.66	5.10	262.98	0.66	2.60	1.12	2.48	311.36
Kedah	19.31	19.09	4.88	7.38	7.52	15.06	127.27	0.00	0.00	418.56	3.96	623.04
P.Pinang/Penang	16.68	7.20	18.40	0.00	0.00	5.10	0.00	0.00	0.00	0.00	0.00	47.38
Perak	354.19	8.99	1,374.75	48.91	231.72	344.50	770.33	8.26	576.63	847.57	31.99	4,597.84
Selangor	316.09	0.00	281.48	7.33	28.16	35.97	2,617.16	20.04	1,980.86	1,177.76	96.77	6,561.62
W.Perskutuan/ 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	182.22	30.63	145.67	35.64	21.83	0.38	792.08	0.00	40.19	57.03	59.13	1,364.80
Malaka/Malacca	132.04	21.09	77.89	22.80	6.89	57.27	349.16	4.67	104.53	259.11	55.65	1,091.10
Johor/Johore	15.66	0.00	591.95	0.00	0.00	13.92	0.00	0.00	0.00	9.22	1.93	632.68
Pahang	374.24	158.76	243.68	47.40	5.64	78.71	581.71	0.00	739.36	712.53	99.18	3,041.19
Terengganu	13.00	1.21	4.49	4.68	0.33	11.57	68.06	0.00	3.81	8.03	4.31	119.48
Kelantan	100.80	98.47	98.83	22.45	4.44	78.38	282.42	0.12	54.44	111.96	29.99	882.29
Sarawak	115.52	71.86	143.76	179.70	0.00	0.00	0.00	0.00	0.00	369.60	69.30	949.74
Sabah	8,043.48	8,579.71	1,126.09	857.97	12,869.56	0.00	0.00	0.00	0.00	0.00	1,823.19	33,299.99
Jumlah/Total	9,696.49	9,005.36	4,112.27	1,240.98	13,183.75	645.93	5,851.18	33.76	3,502.43	3,972.49	2,277.88	53,522.51

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 PENGELUARAN IKAN DARI KOLAM AIRTAWAR
 MENGIKUT NEGERI DAN SPESIES 1990
 ESTIMATED RETAIL VALUE OF PRODUCTIONS FROM FRESHWATER PONDS
 BY STATE AND SPECIES, 1990
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 15.4

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	Ketutu Goby	Jelawat River Carp	Peibagai Miscellaneous	Jumlah Total
Perlis	14.86	9.75	0.60	12.44	9.80	5.82	296.34	0.80	3.10	1.32	3.57	358.39
Kedah	25.84	27.93	7.10	10.38	12.89	19.48	149.90	0.00	11.37	625.89	6.06	896.85
P.Pinang/Penang	18.60	9.36	25.80	0.00	0.00	6.53	0.00	0.00	0.00	0.00	0.00	60.09
Perak	520.55	14.40	1,737.53	76.82	421.30	464.72	986.45	11.16	725.23	1,168.89	48.04	6,175.09
Selangor	428.25	0.00	397.24	10.46	53.46	47.63	2,872.41	25.71	2,497.48	1,555.35	140.62	8,028.60
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	0.00
N. Sembilan	323.94	43.83	244.11	58.49	33.94	0.40	862.82	0.00	68.83	78.88	81.43	1,796.68
Malaka/Malecca	179.89	25.12	97.63	30.12	10.63	62.42	435.81	6.15	107.03	360.15	71.63	1,386.59
Johor/Johore	20.42	0.00	746.47	0.00	0.00	0.00	0.00	0.00	0.00	11.32	2.41	780.61
Pahang	491.86	192.78	224.79	63.16	10.54	94.79	673.32	0.00	822.25	788.06	127.50	3,489.05
Terengganu	18.00	1.47	4.49	6.11	0.52	13.42	73.40	0.00	6.06	9.69	6.06	139.23
Kelantan	125.43	115.53	133.42	25.90	6.20	89.51	348.67	0.16	67.51	128.58	38.03	1,078.94
Sarawak	256.70	184.77	323.46	323.46	0.00	0.00	0.00	0.00	0.00	554.40	138.60	1,781.39
Sabah	9,660.00	9,060.00	1,216.80	936.00	13,210.00	0.00	0.00	0.00	0.00	0.00	1,950.00	36,032.80
Jumlah/Total	12,084.34	9,684.94	5,159.23	1,553.35	13,769.29	804.70	6,699.13	43.98	4,308.88	5,282.52	2,613.95	62,004.31

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

**BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1990
NUMBER AND AREA OF EX-MINING POOLS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1990**

Negeri State	Bekas Lombong Ex Mining Pools		Bilangan Penternak Ikan Number Of Culturists				Jumlah Total
	Bilangan Number	Luas (ha) Area (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	
Perlis	2	1.32	0	1	0	0	1
Kedah	3	6.25	2	1	0	0	3
P.Pinang/Penang	0	0.00	0	0	0	0	0
Perak	154	272.00	52	69	0	6	127
Selangor	226	300.12	66	59	1	15	141
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	30	49.30	3	23	0	2	28
Melaka	0	0.00	0	0	0	0	0
Johor	12	11.74	12	0	0	0	12
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:	427	640.73	135	153	1	23	312

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI BEKAS LOMBONG AIR TAWAR
 MENGIKUT NEGERI DAN SPESIES IKAN, 1990
 ESTIMATED FISH PRODUCTION FROM EX-MINING POOLS
 BY STATE AND SPECIES, 1990
 (Kuantiti dalam Tan Metrik/Weight in Tonnes)

JADUAL (TABLE) 16.2

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	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	0.12	0.89	0.06	3.49	1.25	0.81	0.02	0.00	0.46	0.00	4.51	11.60
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	0.00
Perak	1.04	0.00	65.21	261.90	12.60	21.61	195.35	10.89	0.00	0.00	6.50	575.08
Selangor Darul Ehsan	0.00	0.00	18.00	240.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	258.60
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	0.00
N. Sembilan	0.00	0.00	10.00	26.20	0.00	0.00	6.00	0.00	0.00	0.00	0.00	42.20
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
Johor/Johore	4.75	2.20	0.95	1.79	0.00	2.93	0.00	0.00	1.45	0.46	2.68	17.20
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
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
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:	5.91	3.09	94.21	533.38	13.85	25.95	201.37	10.89	1.91	0.46	13.69	904.69

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 BORONG PENGELUARAN BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIS IKAN, 1990
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTIONS FROM EX-MINING POOLS
 BY STATE AND SPECIES, 1990
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 16.3

Negeri/State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kep Rumput Grass Carp	Kep Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	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	0.27	2.38	0.13	7.62	17.24	1.89	0.07	14.98	0.00	0.00	10.37	54.95
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	0.00
Perak	3.42	0.00	234.74	398.90	181.89	54.70	666.13	0.00	0.00	70.65	15.22	1,625.64
Selangor D.E.	0.00	0.00	64.91	374.40	0.00	1.54	0.00	0.00	0.00	70.65	0.00	511.49
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	0.00
N. Sembilan	0.00	0.00	25.60	67.56	0.00	222.68	0.00	0.00	0.00	0.00	0.00	315.84
Malaka/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
Johor/Johore D.T.	17.81	6.60	5.37	5.48	0.00	12.03	0.00	5.48	8.77	0.00	7.45	68.99
Pahang D.M.	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
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:	21.50	8.99	330.75	853.96	199.13	292.83	666.20	20.46	8.77	141.30	33.04	2,576.91

Nota : Pelbagai - termasuk ikan-ikan Patin, Haruan, Baung dan Sepat Siam.
 Note : Miscellaneous - Includes Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN BEKAS LOMBONG.
MENGIKUT NEGERI DAN SPESIES IKAN, 1990
ESTIMATED RETAIL VALUE OF PRODUCTION FROM EX-MINING POOLS
BY STATE AND SPECIES, 1990
(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	Udang Galah Giant Fresh- water Prawn	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	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	0.36	3.49	0.19	10.72	20.30	3.23	0.09	0.00	2.01	0.00	15.87	56.27
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	0.00
Perak	5.02	0.00	296.68	626.54	232.92	99.41	898.59	97.43	0.00	0.00	22.86	2,279.45
Selangor	0.00	0.00	91.60	534.00	0.00	2.92	0.00	0.00	0.00	0.00	0.00	628.52
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	0.00	0.00	42.90	110.88	0.00	0.00	23.88	0.00	0.00	0.00	0.00	177.66
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
Johor/Johore	23.23	8.74	4.50	7.75	0.00	0.00	0.00	0.00	7.73	10.57	9.27	71.79
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
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	28.61	12.23	435.88	1,289.90	253.22	105.55	922.56	97.43	9.74	10.57	48.00	3,213.69

Nota : Pelbagai - termasuk ikan-ikan Patin, Haruan, Beung dan Sepat Siam.

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

MALAYSIA
 BILANGAN DAN LUAS SANGKAR AIRTAWAR YANG DIUSAHAKAN SERTA
 BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1990
 NUMBER AND AREA OF FRESHWATER CAGES AND NUMBER OF CULTURISTS
 BY STATE, 1990

JADUAL (TABLE) 17.1

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	20	180.72	3	0	0	0	3
P.Pinang/Penang	0	0.00	0	0	0	0	0
Perak	396	4,853.36	33	2	0	0	35
Selangor	706	11,371.20	5	3	0	1	9
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	72	648.00	1	0	0	0	1
Melaka/Malacca	337	3,211.48	24	23	0	2	49
Johor/Johore	76	773.78	15	1	0	0	16
Pahang	0	0.00	0	0	0	0	0
Terengganu	0	0.00	0	0	0	0	0
Kelantan	42	374.32	11	0	0	0	11
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	1,649	21,412.86	92	29	0	3	124

MALAYSIA
 ANGGAHAN PENGELUARAN IKAN DARI SANGKAR AIRTAWAR
 MENGIKUT NEGERI DAN SPESIES IKAN, 1990.
 ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES
 BY STATE AND SPECIES, 1990.
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 17.2

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	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	0.68	1.79	0.00	2.82	5.30
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	0.00	21.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.18
Selangor D.E.	0.04	65.19	0.00	0.00	0.00	0.00	15.09	0.18	0.00	0.20	80.70
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	0.00	0.10	0.00	0.00	0.00	0.10
Melaka/Malacca	6.41	7.70	0.00	0.00	1.20	0.00	13.80	0.05	0.00	0.20	29.36
Johor/Johore D.T.	17.99	8.14	23.70	0.00	0.00	0.00	278.11	4.09	0.00	9.83	341.86
Pahang D.M.	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	29.89	1.23	0.00	0.00	0.00	5.60	0.00	0.00	0.08	36.81
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.19	0.95
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	24.44	132.10	24.93	0.00	1.20	0.00	314.14	6.11	0.00	13.33	516.25

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

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

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN SANGKAR AIRTAWAR
 MENGIKUT NEGERI DAN SPESIES IKAN, 1990.
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
 BY STATE AND SPECIES, 1990.
 (Nilai dalam M\$ '000 / Value in M\$ '000)

JADUAL (TABLE) 17.3

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Ketutu Goby	Jelawat River Carp	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
Kedah	0.00	0.00	0.00	0.00	0.00	2.12	0.00	10.64	0.00	12.76
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	48.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.78
Selangor	0.15	212.95	0.00	0.00	0.00	55.38	0.00	1.82	0.51	270.81
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	0.38	0.00	0.00	0.00	0.38
Melaka/Malacca	23.53	22.62	0.01	0.00	0.00	52.16	20.20	0.33	0.41	119.26
Johor/Johore	67.45	24.41	89.59	0.00	0.00	1,390.57	0.00	27.11	0.05	1,599.18
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	103.05	4.24	0.00	0.00	19.94	0.00	0.00	0.14	127.37
Kelantan	0.00	0.00	0.00	0.00	0.00	3.26	0.00	0.00	0.00	3.26
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	0.00	0.00	0.00	0.00
Jumlah	91.12	411.82	93.84	0.00	0.00	1,523.80	20.20	39.90	1.11	2,181.79

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

Note: Miscellaneous - Includes Goby, Snakes Head, River Catfish and Snake-skin Gourami.

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN SANGKAR AIRTAWAR MENGIKUT NEGERI DAN SPESIES IKAN, 1990
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1990
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 17.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Ketutu Goby	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
Kedah	0.00	0.00	0.00	0.00	0.00	2.74	15.91	0.00	0.00	18.65
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	78.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.13
Selangor D.E.	0.20	286.83	0.00	0.00	0.00	73.34	2.40	0.00	0.74	363.51
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	0.40	0.00	0.00	0.00	0.40
Melaka/Malacca	32.05	26.95	0.01	0.00	0.00	56.85	0.46	20.68	0.53	137.54
Johor/Johore D.T.	87.97	32.32	112.97	0.00	0.00	1,668.68	33.26	0.00	0.06	1,935.27
Pahang D.M.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	125.55	6.14	0.00	0.00	23.13	0.00	0.00	0.19	155.02
Kelantan	0.00	0.00	0.00	0.00	0.00	3.72	0.00	0.00	0.00	3.72
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	0.00	0.00	0.00	0.00
Jumlah/Total:	120.22	549.77	119.13	0.00	0.00	1,828.86	52.04	20.68	1.53	2,892.23

* 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, 1990
 NUMBER AND AREA OF BRACKISHWATER PONDS AND NUMBER OF
 CULTURISTS BY RACE AND STATE, 1990

Negeri State	Kolam Airpayau 1990 Brackishwater Ponds		Bilangan Penternak Ikan Number Of Culturists				Jumlah Total
	Bilangan Number	Luas (ha) Acreage (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	
Perlis	2	1.18	1	0	0	0	1
Kedah	154	83.71	30	6	1	10	47
P.Pinang/Penang	3	0.34	0	0	0	3	3
Perak	135	64.41	10	20	1	5	36
Selangor	188	56.63	70	30	0	0	100
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	17	15.80	0	0	0	2	2
Melaka/Malacca	137	16.28	51	22	1	1	75
Johor/Johore	584	597.48	36	73	0	19	128
Pahang	253	242.86	8	0	0	1	9
Terengganu	76	20.69	31	0	0	0	31
Kelantan	63	20.25	33	3	0	5	41
Sarawak	0	0.00	0	0	0	0	0
Sabah	447	432.31	0	22	0	99	121
Jumlah/Total:	2,059	1,551.94	270	176	3	145	594

MALAYSIA
 ANGGARAN PENGELUARAN KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1990
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS BY STATE AND SPECIES, 1990
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 18.2

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	0.02	0.00	0.00	0.00	0.00	0.02
Kedah	0.48	0.00	0.00	0.73	20.26	0.00	0.00	21.46
P.Pinang/Penang	1.16	0.05	0.00	0.00	0.00	0.00	0.06	1.27
Perak	9.29	0.00	2.50	9.47	27.03	1.65	0.16	50.10
Selangor	7.12	1.63	0.79	0.07	36.87	0.00	0.00	46.47
W.Persekutuan/ F.Territory	0.01	0.01	0.12	0.00	0.00	0.00	0.01	0.16
N. Sembilan	0.00	0.00	0.00	0.00	8.37	0.00	0.00	8.37
Melaka/Malacca	0.31	0.00	0.01	2.72	3.25	0.00	0.00	6.29
Johor/Johore	67.89	0.00	318.76	126.78	908.98	102.09	0.00	1,524.50
Pahang	81.06	36.11	15.30	14.89	320.53	0.54	51.44	519.88
Terengganu	1.02	0.00	0.25	0.87	1.91	0.04	0.02	4.11
Kelantan	5.24	0.00	0.00	0.00	6.86	0.00	0.12	12.22
Sarawak	0.00	0.00	0.00	0.00	50.20	0.00	0.00	50.20
Sabah	0.00	0.00	0.00	0.00	800.00	0.00	0.00	800.00
Jumlah/Total:	173.69	37.80	38.795	145.53	2,184.25	104.32	51.81	3,045.04

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

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

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1990
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND SPECIES, 1990
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 18.3

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	0.14	0.00	0.00	0.00	0.00	0.14
Kedah	3.77	0.00	0.00	358.14	13.08	0.00	0.00	374.99
P.Pinang/Penang	10.09	0.73	0.00	0.00	0.00	0.00	0.00	10.82
Perak	79.27	0.00	21.50	470.95	162.79	7.46	0.00	741.97
Selangor	61.95	23.40	7.09	694.57	1.27	0.00	0.00	788.28
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	163.61	0.03	0.00	0.00	163.63
Melaka/Malacca	2.77	0.00	0.05	58.84	48.59	0.00	0.00	110.25
Johor/Johore	478.62	0.00	2,240.88	12,780.25	2,268.09	692.99	0.00	18,460.83
Pahang	547.18	449.62	114.78	5,578.60	265.09	2.16	2.02	6,959.44
Terengganu	7.97	0.00	1.73	28.86	14.71	0.13	0.11	53.51
Kelantan	40.01	0.00	0.00	132.28	0.00	0.00	0.00	172.29
Sarawak	0.00	0.00	0.00	753.00	0.00	0.00	0.00	753.00
Sabah	0.00	0.00	0.00	12,000.00	0.00	0.00	0.00	12,000.00
Jumlah/Total:	1,231.64	473.74	2,386.17	33,019.08	2,773.65	702.74	2.13	40,589.15

Nota ** Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cermin dan Talang

Note ** Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1990
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND SPECIES, 1990
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 18.4

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	0.16	0.00	0.00	0.00	0.00	0.16
Kedah	4.31	0.00	0.00	382.86	13.83	0.00	0.00	401.00
P.Pinang/Penang	11.31	0.84	0.00	0.00	0.00	0.00	0.00	12.15
Perak	100.49	0.00	24.50	532.49	188.43	0.00	0.00	845.91
Selangor	70.07	25.50	7.80	856.01	1.29	0.00	0.00	960.66
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	181.96	0.02	0.00	0.00	181.98
Melaka/Malacca	3.21	0.00	0.05	66.68	50.70	0.00	0.00	120.63
Johor/Johore	608.97	0.00	2,709.46	15,352.67	2,418.96	771.80	0.00	21,861.86
Pahang	632.30	505.60	133.14	6,057.98	269.41	2.48	2.48	7,603.39
Terengganu	9.50	0.00	2.23	32.91	15.59	0.15	0.13	60.52
Kelantan	52.01	0.00	0.00	150.94	0.00	0.00	0.00	202.95
Sarawak	0.00	0.00	0.00	903.60	0.00	0.00	0.00	903.60
Sabah	0.00	0.00	0.00	16,464.00	0.00	0.00	0.00	16,464.00
Jumlah/Total:	1,492.16	531.93	2,877.35	40,982.10	2,958.23	774.43	2.62	49,618.83

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, 1990
NUMBER AND AREA OF BRACKISHWATER CAGES AND NUMBER OF CULTURISTS
BY RACE AND STATE, 1990

JADUAL (TABLE) 19.1

Negeri State	Sangkar Airpayau Brackishwater Cages		Bilangan Pentermak Ikan No. Of Culturists				Jumlah Total
	Bilangan Number	Luas (m2) Area In Sq. Metres	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	
Perlis	0	0.00	0	0	0	0	0
Kedah	170	74.12	42	8	0	1	51
P.Pinang/ Penang	10,217	61,724.80	28	159	1	0	188
Perak	6,353	48,456.86	20	135	0	2	157
Selangor	5,920	75,360.89	9	137	0	0	146
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	4136	49,907.17	60	116	0	7	183
Pahang	0	0.00	0	0	0	0	0
Terengganu	230	1,950.94	23	0	0	0	23
Kelantan	148	5,496.48	23	0	0	0	23
Sarawak							0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	27,174	242,971.26	205	555	1	10	771

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1990
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1990
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 19.2

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	1.91	4.04	2.32	0.00	0.00	0.00	0.00	8.27
P.Pinang/Penang	401.12	59.87	47.60	1.18	0.00	28.43	0.00	538.18
Perak	138.27	12.27	8.15	0.00	0.00	0.00	0.00	158.69
Selangor	943.79	15.53	12.24	3.58	0.00	36.45	0.00	1,011.59
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	0.79	0.66	0.37	0.16	0.00	0.00	0.00	1.98
Johor/Johore	289.74	12.63	5.38	1.73	0.00	20.68	0.52	330.67
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	2.43	0.76	0.00	0.00	0.00	0.00	0.00	3.19
Kelantan	1.75	0.19	0.00	0.00	0.00	0.00	0.00	1.95
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:	1,779.81	105.94	76.05	6.65	0.00	85.56	0.52	2,054.52

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

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

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1990
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND SPECIES, 1990
 (Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 19.3

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	15.03	60.55	18.09	0.00	0.00	0.00	0.00	93.67
P.Pinang/Penang	3,489.71	868.04	359.82	0.00	0.00	127.94	0.00	4,845.50
Perak	1,179.91	172.71	70.12	0.00	0.00	0.00	0.00	1,422.73
Selangor	8,211.00	223.35	110.38	0.00	0.00	261.53	0.00	8,806.26
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	7.01	9.20	3.26	0.00	0.00	0.00	0.00	19.47
Johor/Johore	2,802.51	181.60	49.37	0.00	10.60	144.27	0.14	3,188.49
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	18.97	0.00	0.00	0.00	0.00	0.00	0.00	18.97
Kelantan	13.40	2.13	0.00	0.00	0.00	0.00	0.00	15.53
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:	15,737.53	1,517.58	611.03	0.00	10.60	533.73	0.14	18,410.61

Nota ** Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cermin dan Talang

Note ** Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN SANGKAR AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIES IKAN, 1990
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
BY STATE AND SPECIES, 1990
(Nilai dalam M\$ '000/Value in M\$ '000)

JADUAL (TABLE) 19.4

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	17.20	64.58	19.95	0.00	0.00	0.00	0.00	101.73
P.Pinang/Penang	3,910.88	1,005.73	404.56	0.00	0.00	162.05	0.00	5,483.22
Perak	1,495.62	219.21	79.90	0.00	0.00	0.00	0.00	1,794.73
Selangor	9,286.92	243.39	121.51	0.00	0.00	0.00	0.00	9,651.82
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	8.11	10.00	3.48	0.00	0.00	0.00	0.00	21.58
Johor/Johore	3,258.30	223.73	60.85	0.00	12.30	0.00	0.15	3,555.33
Pahang	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
Kelantan	0.00	6.60	0.00	0.00	0.00	0.00	0.00	6.60
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:	17,977.03	1,773.24	690.24	0.00	12.30	162.05	0.15	20,615.01

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 1990
NUMBER OF CULTURISTS , AREA AND SIZE
OF COCKLE CULTURE BY STATE 1990

JADUAL (TABLE) 20.1

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan Tol (ha) Area (ha)
Perlis	1	1	15.88
Kedah	2	2	30.01
P. Pinang / Penang	58	52	1301.53
Perak	124	62	2896.28
Selangor	16	15	1111.67
W. Persekutuan/ F. Territory	0	0	0.00
N. Sembilan	0	0	0.00
Malaka/ Malacca	0	0	0.00
Johor/Johore	26	8	186.2
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	227	140	5541.57

MALAYSIA
PENGELUARAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI 1990
PRODUCTION OF COCKLES BY MONTH AND STATE 1990
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.2

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	25.48	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.18
KEDAH	14.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.04	0.00	126.00	151.60
P.PINANG/PENANG	562.10	1,031.45	1,052.80	534.10	955.50	1,042.30	508.60	436.10	440.30	515.90	500.85	451.85	8,032.85
PERAK	0.00	882.93	1,164.00	1,550.00	1,665.00	1,730.00	1,700.00	1,996.22	1,930.00	1,849.50	1,854.15	2,130.00	18,451.80
SELANGOR	468.22	464.90	510.08	584.86	566.32	645.14	733.22	74.34	496.23	367.04	350.10	195.67	5,456.12
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	78.50	29.52	26.59	8.00	8.00	1.30	1.20	2.28	1.80	1.50	14.00	0.75	173.44
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	305.00	235.00	311.00	335.00	320.00	266.00	320.00	286.00	367.00	381.00	263.00	251.00	3,640.00
Jumlah/Total:	1,453.86	2,643.80	3,065.17	3,011.96	3,514.82	3,684.74	3,264.02	2,794.94	3,235.33	3,125.98	2,962.10	3,155.27	35,931.99

MALAYSIA
PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI 1990
PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE 1990
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.3

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	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	430.00	431.20
Perak	0.00	1,253.50	37.50	0.00	0.00	0.00	0.00	129.40	0.00	0.00	0.00	1,575.00	2,995.40
Selangor	432.00	0.00	1,053.00	2,700.00	0.00	0.00	447.75	0.00	0.00	0.00	0.00	0.00	4,632.75
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
Malaka/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:	432.00	1,254.70	1,090.50	2,700.00	0.00	0.00	447.75	129.40	0.00	0.00	0.00	2,005.00	8,059.35

MALAYSIA
BILANGAN PENTERNAK , KAWASAN DAN LUAS KAWASAN
TERNAKAN SIPUT SUDU MENGIKUT NEGERI 1990
NUMBER OF CULTURISTS , AREA AND SIZE
OF MUSSELS CULTURE BY STATE 1990

JADUAL (TABLE) 21.1

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan Tol (M2) Area (M2)
Perlis	1	1	17.05
Kedah	2	2	29.01
P. Pinang / Penang	2	2	493.39
Perak	10	3	39.58
Selangor	15	14	1,087.63
W. Persekutuan/ F. Territo	0	0	0.00
N. Sembilan	8	2	863.94
Melaka/ Malacca	51	9	28,001.31
Johor/Johore	53	7	24,783.21
Pahang	0	0	0.00
Terengganu	1	1	139.65
Kelantan	0	0	0.00
Sarawak	0	0	0.00
Sabah	0	0	0.00
Jumlah/Total	143	41	55,454.77

MALAYSIA
PENGELUARAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI 1990
PRODUCTION OF MUSSELS BY MONTH AND STATE 1990
(TAN METRIK/TONNES)

JADUAL (TABLE) 21.2

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
Pertlis	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	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.19
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	0.00	0.00
Perak	0.00	0.00	0.52	0.29	0.15	0.01	0.00	0.21	26.40	80.53	0.63	0.06	106.80
Selangor	0.50	0.38	0.37	0.45	0.43	0.00	0.85	0.65	0.89	0.65	0.58	1.05	6.79
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	13.20	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	13.27
Melaka/Malacca	138.66	0.75	1.92	26.06	8.55	0.77	3.76	0.00	0.00	0.00	0.00	0.00	180.47
Johor/Johore	0.00	3.65	1.64	1.69	0.79	0.64	0.51	0.64	0.58	0.00	706.09	556.27	1,272.51
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:	139.33	17.98	4.46	28.50	9.94	1.42	5.12	1.51	27.91	81.18	707.30	557.39	1,582.03

MALAYSIA
PENDARATAN IKAN DARAT DARI PERAIRAN UMUM MENGIKUT BULAN DAN NEGERI 1990
LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES BY MONTH AND STATE 1990
(TAN METRIK/TONNES)

JADUAL (TABLE) 21.3

Negeri State	Januari January	Febuari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.51	0.67	0.43	2.09	0.65	0.61	0.19	0.76	1.23	0.45	0.82	0.31	8.72
Kedah	2.32	2.98	2.90	1.98	3.98	7.90	1.98	2.08	6.53	6.78	5.67	5.08	50.18
P.Pinang/Penang	1.98	4.90	2.98	0.87	5.78	2.34	3.78	3.41	0.67	2.76	1.45	0.99	31.91
Perak	45.09	56.78	47.98	45.21	31.45	56.21	29.08	21.78	53.52	79.05	78.99	78.90	624.04
Selangor	9.87	6.98	9.06	4.09	8.87	4.35	8.97	5.09	7.98	17.89	7.90	23.00	114.05
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	5.78	4.09	4.67	7.03	3.56	2.13	1.45	5.09	2.13	12.09	3.09	1.89	53.00
Melaka/Malacca	3.89	2.90	1.98	3.45	0.78	1.89	2.01	1.09	1.89	0.78	1.00	0.78	22.44
Johor/Johore	9.09	11.90	12.89	9.78	8.97	12.45	7.89	11.56	16.78	6.78	10.09	7.89	126.07
Pahang	14.89	6.67	34.90	12.90	8.09	14.89	14.89	9.09	5.09	12.90	19.07	31.09	184.47
Terengganu	5.90	0.98	2.90	3.40	0.23	1.09	0.78	1.09	0.77	1.98	2.39	2.09	23.60
Kelantan	4.90	3.07	4.98	1.89	2.98	0.78	1.98	2.09	4.78	3.98	3.98	1.98	37.39
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	104.22	101.92	125.67	92.69	75.34	104.64	73.00	63.13	101.37	145.44	134.45	154.00	1,275.87

MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1990
WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1990
(\$/Kg)

JADUAL (TABLE) 22.1

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kep Rumpit Grass Carp	Kep Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Kell Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Peibagai Miscellaneous
Perlis	2.50	3.00	2.17	1.89	2.78	3.12	13.56	3.40	13.40	5.80	2.56
Kedah	2.16	2.68	2.27	2.18	2.34	3.10	13.78	3.26	0.00	5.94	2.30
P.Pinang/Penang	2.78	2.40	2.30	0.00	2.67	3.40	0.00	3.23	0.00	0.00	0.00
Perak	3.30	2.30	3.60	1.52	2.53	3.41	14.44	3.79	19.69	6.49	2.34
Selangor	3.75	3.27	3.61	1.56	2.56	3.67	14.56	3.93	16.69	10.10	2.56
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	3.00	3.38	2.56	2.58	2.56	3.78	14.78	4.42	13.63	5.39	2.89
Malaka/Malacca	3.67	2.94	3.67	2.01	2.67	3.78	13.78	4.58	16.83	6.29	2.89
Johor/Johore	3.75	3.00	3.78	3.06	4.10	5.00	11.00	3.78	19.19	6.63	2.78
Pahang	4.38	4.94	4.00	3.59	3.13	4.86	12.10	4.83	25.91	26.97	2.87
Terengganu	3.25	3.45	3.45	3.47	2.67	3.56	13.89	3.18	3.05	6.69	2.78
Kelantan	3.00	4.19	3.33	3.53	3.52	4.31	10.73	3.79	6.93	6.97	2.85
Sarawak	4.50	3.50	4.00	5.00	4.00	0.00	14.00	0.00	0.00	0.00	3.50
Sabah	5.00	8.00	7.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
Harga Bertimbang	3.46	3.62	3.52	3.20	3.23	3.82	13.33	3.84	15.04	8.73	3.03

-Nota: Peibagai - 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, 1990
RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1990
(\$/Kg)

JADUAL (TABLE) 22.2

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	Tilapia Nilotika Tilapia Nilotika	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Pelbagai Miscellaneous
Perlis	2.80	3.50	3.10	3.50	15.28	3.56	3.56	6.79	4.10	15.98	3.68
Kedah	2.89	3.92	3.30	3.07	16.23	4.01	4.01	8.89	4.40	20.00	3.52
P.Pinang/Penang	3.10	3.12	3.20	0.00	0.00	4.35	4.35	0.00	4.98	0.00	0.00
Perak	4.85	3.69	4.55	2.39	18.49	4.60	4.60	8.95	5.11	24.76	3.52
Selangor	5.07	4.40	5.09	2.23	15.98	4.86	4.86	13.34	5.04	21.04	3.72
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	5.33	4.83	4.29	4.23	16.10	3.98	3.98	7.45	6.18	23.33	3.98
Melaka/Malacca	5.00	3.50	4.60	2.65	17.20	4.12	4.12	8.74	6.03	17.24	3.72
Johor/Johore	4.89	3.97	4.77	4.33	15.00	0.00	0.00	8.13	5.33	23.14	3.46
Pahang	5.75	6.00	3.69	4.78	14.00	5.85	5.85	29.83	6.02	28.82	3.69
Terengganu	4.50	4.20	3.45	4.53	14.98	4.13	4.13	8.08	4.14	4.85	3.91
Kelantan	3.73	4.92	4.50	4.07	13.25	4.92	4.92	8.00	4.78	8.59	3.61
Sarawak	10.00	9.00	9.00	9.00	17.00	7.00	10.00	18.00	9.00	0.00	0.00
Sabah	7.00	10.00	9.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00
Harga Bertimbang	4.99	5.00	4.81	4.57	15.77	4.67	4.94	11.47	5.43	18.77	4.07

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, 1990
WHOLESALE PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1990
(\$/Kg)

JADUAL(TABLE) 22.3

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	6.80	0.00	0.00	0.00	0.00	0.29	0.00	0.00
Kedah	7.85	15.00	7.80	0.00	18.03	0.00	17.68	0.31	0.50	0.00
P. Pinang/Penang	8.70	14.50	7.56	0.00	17.90	4.50	0.00	0.30	0.00	4.50
Perak	5.53	14.08	8.60	0.00	17.19	4.52	17.42	0.32	0.60	6.05
Selangor	4.35	14.38	9.02	9.50	17.89	7.18	18.84	0.50	0.93	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	16.90	0.00	19.56	0.00	0.85	0.00
Melaka/Malacca	8.90	13.90	8.90	0.00	17.89	0.00	18.09	0.00	0.44	8.00
Johor/Johore	9.67	14.38	9.19	8.47	21.21	6.98	19.82	0.22	0.44	7.60
Pahang	6.75	12.45	7.50	6.80	17.80	4.01	17.09	0.00	0.00	5.60
Terengganu	7.81	0.00	6.90	0.00	16.89	3.55	15.13	0.00	0.50	4.67
Kelantan	7.64	11.09	0.00	6.67	18.18	4.00	19.28	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	15.00	0.00	0.00	0.00
Harga Bertimbang	7.47	13.72	8.03	7.86	17.99	4.96	17.79	0.32	0.61	6.07

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

MALAYSIA
HARGA RUNCIT IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1990.
RETAIL PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1990
(\$/KG)

JADUAL (TABLE) 22.4

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	Siput Sudu Mussels	Pelbagai Miscellaneous
Perlis	0.00	0.00	7.80	0.00	0.00	0.00	0.00	0.32	0.00	0.00
Kedah	8.99	16.00	8.60	0.00	19.07	0.00	18.90	0.45	1.00	0.00
P. Pinang/Penang	9.75	16.80	8.50	0.00	18.30	5.70	0.00	0.38	0.00	5.20
Perak	10.62	17.87	9.80	0.00	19.90	5.93	19.70	0.50	1.00	0.00
Selangor	9.84	15.67	9.93	10.68	18.14	5.18	23.22	0.96	1.13	6.50
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	12.00	0.00	21.75	0.00	1.00	0.00
Melaka/Malacca	10.29	15.10	9.50	0.00	18.67	0.00	20.50	0.00	0.86	0.70
Johor/Johore	11.25	17.71	11.32	9.79	24.61	7.50	22.97	0.56	0.74	8.10
Pahang	7.80	14.00	8.70	0.00	18.09	4.60	19.90	0.00	0.00	6.90
Terengganu	9.19	0.00	8.90	0.00	17.90	6.50	17.25	0.00	0.71	5.60
Kelantan	8.64	34.40	0.00	7.79	22.00	4.58	22.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	25.00	1.50	0.00	0.00
Harga Bertimbang Weighted Price	9.59	18.44	9.23	9.42	18.87	5.71	20.84	0.67	0.92	6.83

* 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, 1990
 PRODUCTION OF FRESHWATER FINGERLINGS FROM GOVERNMENT HATCHERIES
 BY HATCHERY AND SPECIES, 1990

JADUAL (TABLE) 23.1

Spesies (Species) Pusat Pembaiikbiak (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	Jelawat River Carp	Kap Rumpit Grass Carp	Patin River Catfish	Lain- Lain Others	Jumlah Total
Bukit Tinggi.	7,258,474	1,200,315	5,830	0	313,454	382,356	200	0	83,036	0	0	9,252,665
Jitra, Kedah	2,275,767	692,589	9,645	140,002	321,768	143,226	0	0	0	0	0	3,582,997
Enggor, Perak	46,373	0	174,780	0	210	0	0	0	0	0	0	221,363
PPIAT Batu Berendam	0	0	0	0	0	0	0	0	0	0	0	0
Sarawak	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah/Total:	9,580,614	1,901,904	190,255	140,002	635,432	525,582	200	0	83,036	0	0	13,057,025

MALAYSIA
PENGELUARAN BENIH-BENIH IKAN/UDANG AIR PAYAU DAN UDANG GALAH DARI PUSAT-PUSAT
KERAJAAN MENGIKUT PUSAT DAN SPESIES, 1990
PRODUCTION OF BRACKISH WATER FISH/PRAWN FINGERLINGS FROM
GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 1990

JADUAL (TABLE) 23.2

Species (Species) Pusat Penetasan (Hatchery)	Udang Galah Giant Fresh- water prawn	Udang Harimau Tiger Prawn	Udang Putih Banana Prawn	Siakap Barramundi	Jumlah Total
PPUG Kg. Acheh	1,715,645	860,000	0	0	2,575,645
PPPBUK Pulau Sayak	13,491,800	78,460,000	54,170,000	0	146,121,800
PPUG Sabak	736,000	308,000	0	0	1,044,000
PPUG Tg. Demong	0	0	0	106,008,792	106,008,792
Semariang Rate	0	0	0	0	0
Jumlah/Total:	15,943,445	79,628,000	54,170,000	106,008,792	255,750,237

* 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)

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN
KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIES IKAN, 1990
DISTRIBUTION OF FRESHWATER FRY FOR MISCELLANEOUS PURPOSES AND RELEASED
INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 1990

JADUAL (TABLE) 23.3

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 Snakekin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Pelbagai Others	Jumlah Kecil Sub Total	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakekin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jumlah Kecil Sub Total	Grand Total
Perlis	0	0	0	0	0	0	0	0	132,000	38,500	0	11,000	2,200	0	183,700	183,700
Kedah	14,084	11,154	4,500	44,110	19,250	23,483	0	116,561	1,323,300	370,400	40,880	109,450	8,855	1,780	1,854,625	1,971,186
P.Pinang/ Penang	185	55	0	0	55	5,555	0	5,830	0	0	0	0	5,445	300	5,745	11,575
Perak	1,340	1,833	390	0	8,050	110	0	9,523	584,620	88,350	0	5,500	0	0	686,470	686,993
Selangor	28,500	2,200	0	500	0	500	0	31,700	200,200	8,000	0	7,000	0	500	213,700	245,400
W.Persekutuan/ F.Territory	4,722	3,107	0	6	0	2,309	200	10,344	78,000	130,000	0	63,000	0	0	269,000	279,344
N. Sembilan	650	0	0	0	0	0	0	650	0	0	0	0	0	0	0	650
Malaka/Malecca	1,210	0	0	0	0	0	0	1,210	0	0	0	0	0	0	0	1,210
Johor/Johore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pahang	31,850	7,450	6,000	0	0	10,050	0	55,350	662,520	257,750	0	148,850	0	20,030	1,089,150	1,144,500
Terengganu	170,800	43,000	40,000	0	13,200	19,225	0	286,225	150,000	13,000	0	150	0	3,000	166,150	452,375
Kelantan	0	0	12,000	0	2,750	1,700	0	16,450	145,000	5,000	0	0	2,750	0	152,750	169,200
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:	253,321	68,599	62,890	44,616	41,305	62,912	200	533,843	3,253,640	907,000	40,880	344,950	19,250	25,590	4,591,290	5,125,133

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIRTAWAR KEPADA PENTERNAK
MENGIKUT NEGERI DAN SPESIES IKAN BAGI TAHUN 1990
DISTRIBUTION OF FRESHWATER FISH FRY TO CULTURISTS
BY STATE AND SPECIES, 1990

JADUAL (TABLE) 23.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Keli River Catfish	Kap Rumput Grass Carp	Jumlah Total
Perlis	0	13,310	2,200	4,620	110	56,375	0	0	76,615
Kedah	189,804	90,078	43,395	25,823	7,700	148,817	0	0	505,617
P.Pinang/ Penang	9,157	2,530	0	0	0	4,400	0	0	16,087
Perak	58,516	11,154	43,690	0	31,548	13,747	0	0	158,655
Selangor	484,147	32,775	0	12,700	0	14,998	0	4,935	549,555
W.Persekutuan/ F.Territory	3,600	1,300	0	550	0	2,250	0	500	8,200
N. Sembilan	244,360	34,436	0	5,000	0	5,000	0	35,000	323,796
Melaka/Malacca	1,879,572	421,000	0	64,460	0	0	0	250	2,365,282
Johor/Johore	22,450	0	0	0	0	0	0	0	22,450
Pahang	1,562,716	203,557	4,200	76,700	0	186,426	0	33,000	2,066,599
Terengganu	71,500	16,280	0	0	0	1,150	0	0	88,930
Kelantan	658,326	87,070	13,080	3,830	13,255	83,211	0	7,200	865,972
Sarawak	0	0	0	0	0	0	0	0	0
Sabah	0	0	0	0	0	0	0	0	0
Jumlah/Total:	5,184,148	913,490	106,565	193,683	52,613	516,374	0	80,885	7,047,758

MALAYSIA
PENGELUARAN IKAN AKUARIUM SERTA NILAI YANG
DIKELUARKAN DALAM TAHUN 1990
PRODUCTIONS AND VALUE OF ORNAMENTAL FISH 1990

JADUAL(TABLE)24.1

Negeri State	Bilangan Dikeluarkan(Ekor) (No. of Production)	Nilai (M\$) Value (M\$)
Perlis	0	0.00
Kedah	0	0.00
P.Pinang/ Penang	3,594,319	1,209,236.50
Perak	831,190	452,000.00
Selangor	866,736	819,435.20
W.Persekutuan/F.Territory	0	0.00
N.Sembilan	0	0.00
Melaka / Malacca	20,300	21,533.80
Johor	64,724,824	6,499,497.30
Pahang	0	0.00
Terengganu	0	0.00
Kelantan	0	0.00
Sarawak	0	0.00
Sabah	0	0.00
JUMLAH/TOTAL	70,037,369	9,001,702.80

**KLASIFIKASI PERANGKAAN PIAWAIAN IKAN-IKAN
AIRTAWAR MALAYSIA
STANDARD STATISTICAL CLASSIFICATION
OF COMMON MALAYSIAN FRESHWATER FISHES**

ISSCAAP		Local Name	English Name	Scientific Name		
DIVISION	GROUP					
1. Freshwater Fishes	11 Carps, Barbs	Tengas	Carp	Acrossocheilus hexagonolepis		
		Kap Kepala Besar	Big Head Carp	Aristichthys nobilis		
		Ikan Mas	Edible Gold Fish	Carassius auratus		
		Kap Lumpur	Mud Carp	Cirrhina molitorella		
		Kap Rumput	Grass Carp	Ctenopharyngodon idellas		
		Temperas	Carp	Cyclohelichthys apogon		
		Lee Koh	Common Carp	Cyprinus Carpio		
		Selimang Batu	Carp	Epbalzeorthynchus kalopteris		
		Sebarau	Carp	Hampala macrolepidota		
		Kap Perak	Silver Carp	Hypophthalmichthys molitrix		
		Pucuk Pisang	Carp/Barb	Labiobarbus fasciatus		
		Lomah	Carp/Barb	Labiobarbus ocellatus		
		Jelawat	River Carp	Leptobarbus hoevenii		
		Jenkua	Carp	Morulus chrysophekadion		
		Kap Hitam	Black Carp	Mylopheryngodon piceus		
		Sia	Carp	Mystacoleucus marginatus		
		Terbol	Carp	Osteochilus hasseltii		
		Lallang	Carp	Oxygaster anomalura		
		Bulu Ayam	Carp	Oxygaster spp.		
		Temoleh, Temelian	Giant River Carp	Probarbus Jullieni		
		Putih, Tebal Sisek	Common Barb	Puntius binotatus		
		Tengalan	Carp/Barb	Puntius bulu		
		Kerai Kunyit	Carp/Barb	Puntius daruphani		
		Lampam Jawa	Javanese Carp	Puntius gonionotus		
		Bagoh	Spanner Barb	Puntius lateristriga		
		Lampam Sungai	River Carp	Puntius schwaefeldii		
		Susur Batang	Rasbora	Rasbora einthovenii		
		Seluang	Two-spot Rasbora	Rasbora elegans		
		Kelah	River Carp	Tor tambroides		
			12 Cichlids	Tilapia	Tilapia	Tilapia mossambica
			13 Miscellaneous freshwater fishes	Puyu	Climbing Perch	Anabas tertudineus
		Tuna		River Eel	Anquilla bicolor/A. nebulosa	
		Kepala Timah		White Spot	Aplocheilus panchax	
Lali-lali	Loach	Botia spp.				
Keli	Freshwater Catfish	Clarias batrachus/C. macrocephalus.				
Limbat	Freshwater Catfish	Clarias nieuhofii				
Belut	Swamp Eel	Fluta alba				
Temakang	Kissing Gourami	Helostoma temminckii				
Susoh Batu	Loach	Homaloptera spp.				
Baug	River Catfish	Mystus nemurus				
Tengku Lolah	River Catfish	Mystus wyckii				
Belida	Feather back	Notopterus notopterus				
Kalui	Giant Gourami	Osphronemus goramy				
Bujuk	Snake Head	Ophicephalus lucius				
Toman	Snake Head	Ophicephalus micropeltes				
Haruan	Snake Head	Ophicephalus striatus				
Ketutu	Goby	Oxyeleotris marmoratus				
Lawang	River Catfish	Pangassius micronemus				
Patin	River Catfish	Pangassius pangassius				
Kepar, Patong	Perch	Pristigaster fasciatus				
Kelesa	Scleropages	Scleropages formosus				
Sepat Siam	Snakeskin Gouramy	Trichogaster pectoralis				
Sepat Padi	Two-spot Gouramy	Trichogaster trichopterus				
Tapah	Giant River Catfish	Wallago spp.				
4 Crustaceans	41 Freshwater Crustaceans	Udang Galah	Giant Freshwater Prawn	Macrobrachium rosenbergii		