

AKUAKULTUR/TERNAKAIR

AQUACULTURE

MALAYSIA

ANGGARAN BILANGAN DAN LUAS KOLAM AIRTAWAR, BEKAS LOMBONG, SANGKAR AIRTAWAR, TANGKI SIMEN DAN KANDANG

SERTA BILANGAN PENTERNAK MENGIKUT SISTEM TERNAKAN DAN NEGERI, 1999

ESTIMATED NUMBER AND AREA OF FRESHWATER PONDS, EX-MINING POOLS, FRESHWATER CAGES, CEMENT TANKS AND PEN CULTURE

AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 1999

Negeri State	Kolam Airtawar Freshwater Ponds			Bekas Lombong Ex-Mining Ponds			Sangkar Airtawar Freshwater cages			Tangki simen Cement Tanks			Kandang ikan Pen Culture			Jumlah penternak Airtawar Total Freshwater Culturists
	Bil No	Luas (Ha) Area (Ha)	Bil Penternak No. Of Culturist	Bil No	Luas (Ha) Area (Ha)	Bil Penternak No. Of Culturist	Bil No	Luas (M ²) Area (M ²)	Bil Penternak No. Of Culturist	Bil No	Luas (M ²) Area (M ²)	Bil Penternak No. Of Culturist	Bil No	Luas (Ha) Area (Ha)	Bil Penternak No. Of Culturist	
Perlis	193	27.49	112	0	0.00	0	68	612.00	7	15	610.00	3	23	0.38	16	138
Kedah	1,516	181.40	586	1	4.10	1	125	1,395.73	12	16	527.15	8	34	2.66	38	645
Pulau Pinang	98	18.63	36	0	0.00	0	9	67.00	2	11	150.00	2	0	0.00	0	40
Perak	2,573	718.12	1,230	262	1,086.59	163	564	7,200.00	50	44	10,100.00	14	110	15.21	75	1,532
Selangor	2,089	495.69	661	109	216.38	57	583	11,297.46	9	146	25,322.88	26	0	0.00	0	753
Negeri Sembilan	1,752	412.57	1,018	9	14.75	9	1020	14,682.00	5	162	5,653.37	27	0	0.00	0	1,059
Melaka	526	113.02	275	0	0.00	0	291	6,314.00	3	5	602.85	2	0	0.00	0	280
Johor	2,267	289.95	426	0	0.00	0	260	2,861.41	11	139	3,236.73	28	0	0.00	0	465
Pahang	2,813	998.02	1,419	9	280.00	235	2956	35,824.73	706	64	442.64	23	21	1.53	20	2,403
Terengganu	1,369	112.45	694	0	0.00	0	1404	28,349.48	185	190	3,327.58	75	60	3.60	60	1,014
Kelantan	2,073	214.27	1,409	0	0.00	0	255	6,295.40	56	89	4,240.50	30	932	208.22	907	2,402
Sarawak	1,332	104.63	936	0	0.00	0	967	26,839.00	468	0	0.00	0	0	0.00	0	1,404
Sabah	14,937	1,433.64	5,144	0	0.00	0	12	86.40	3	121	4,117.46	35	0	0.00	0	5,182
Jumlah/Total	33,538	5,119.88	13,946	390	1,601.82	465	8,514	141,824.61	1,517	1,002	58,331.16	273	1,180	231.60	1,116	17,317

JADUAL (TABLE) 13.1b

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ANGGARAN BILANGAN DAN LUAS KOLAM AIRPAYAU, SANGKAR AIRPAYAU, KERANG, SIPUT SUDU, TIRAM DAN RUMPAI LAUT

SERTA BILANGAN PENTERNAK MENGIKUT SISTEM TERNAKAN DAN NEGERI, 1999

ESTIMATED NUMBER AND AREA OF BRACKISHWATER PONDS, BRACKISHWATER CAGES, COCKLES, MUSSELS, OYSTERS AND SEaweeds.

AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 1999

Negeri State	Kolam Airpayau Brackishwater Ponds			Sangkar Airpayau Brackishwater cages			Kerang Cockles			Siput Sudu Mussels			Tiram Oysters			Rumpai Laut Seaweeds			Jumlah penternak Airpayau Total Brackish water Culturists	Jumlah Penternak Akuakultur Grand Total Aquaculture Culturists
	Bil No	Luas (Ha) Area (Ha)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (M ²) Area (M ²)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (Ha) Area (Ha)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (M ²) Area (M ²)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (M ²) Area (M ²)	Bil Pen- ternak No. Of Cul- turst	Bil No	Luas (Ha) Area (Ha)	Bil Pen- ternak No. Of Cul- turst		
Perlis	44	35.37	8	100	250.00	2	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	10	148
Kedah	945	694.69	151	3322	37,323.34	122	3	38.91	2	8	1,469.10	4	34	2,458.32	2	0	0.00	0	281	926
Pulau Pinang	209	136.48	123	26783	246,608.00	355	63	800.00	51	0	0.00	0	20	300.00	1	0	0.00	0	530	570
Perak	1200	910.82	152	16600	143,000.00	159	209	3,258.57	179	1	440.00	1	0	0.00	0	0	0.00	0	491	2023
Selangor	758	385.01	146	6739	114,083.79	33	24	954.07	24	0	0.00	0	0	0.00	0	0	0.00	0	203	956
Negeri Sembilan	84	78.60	3	15	140.00	1	0	0.00	0	29	4,981.21	29	0	0.00	0	0	0.00	0	33	1092
Melaka	90	48.41	19	163	4,142.12	3	9	8.00	9	43	10,638.62	46	0	0.00	0	0	0.00	0	77	357
Johor	903	801.24	102	6001	134,457.32	177	1	129.67	4	300	56,464.82	69	7	7,000.00	10	0	0.00	0	362	827
Pahang	396	184.74	22	36	324.00	12	0	0.00	0	4	1,000.00	2	0	0.00	0	0	0.00	0	36	2439
Terengganu	238	74.14	57	1002	11,404.18	81	0	0.00	0	0	0.00	0	82	19,555.32	26	0	0.00	0	164	1178
Kelantan	190	78.87	81	909	28,070.90	125	0	0.00	0	0	0.00	0	34	1,823.52	9	0	0.00	0	215	2617
Sarawak	407	305.21	162	858	8,273.50	142	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	304	1708
Sabah	1452	1,128.92	74	1613	55,161.11	247	0	0.00	0	119	2,479.86	119	130	60,370.42	130	511	280.00	511	1081	6263
Jumlah/Total	6,916	4,862.50	1,100	64,141	783,238.26	1,459	309	5,189.22	269	504	77,473.61	270	307	91,507.58	178	511	280.00	511	3,787	21,104

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 ANGGARAN JUMLAH PENGELUARAN IKAN TERNAKAN, KERANG, SIPUT SUDU , TIRAM DAN RUMPAI LAUT
 MENGIKUT NEGERI DAN SISTEM TERNAKAN, 1999
 ESTIMATED PRODUCTION OF FISH, COCKLES, MUSSELS, OYSTERS AND SEAWEEDS
 BY STATE AND CULTURE SYSTEM, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Airtawar/Freshwater						Airpayau/Brackishwater							Jumlah Besar Grand Total Tan Metrik Tonnes
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Tangki Simen Cement Tanks	Kandang Ikan Pen Culture	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oyster	Rumpai Laut Seaweed	Jumlah Kecil Sub Total	
Perlis	89.96	0.00	6.77	3.78	1.71	102.22	123.80	49.50	0.00	0.00	0.00	0.00	173.30	275.52
Kedah	803.72	2.24	13.51	8.15	11.87	839.49	580.54	205.32	194.93	11.85	8.87	0.00	1,001.51	1,841.00
Pulau Pinang	110.68	0.00	0.00	0.48	0.00	111.16	300.78	1,247.42	13,985.43	0.00	6.94	0.00	15,540.57	15,651.73
Perak	4,607.64	5,343.40	86.13	254.49	70.31	10,361.97	2,032.65	698.72	56,031.91	4.00	0.00	0.00	58,767.28	69,129.25
Selangor	4,999.89	413.65	55.48	401.63	0.00	5,870.65	1,330.59	2,063.19	9,621.60	0.00	0.00	0.00	13,015.38	18,886.03
Negeri Sembilan	1,438.45	98.32	488.55	23.79	0.00	2,049.11	207.95	0.00	0.00	19.65	0.00	0.00	227.60	2,276.71
Melaka	1,050.57	0.00	16.50	3.05	0.00	1,070.12	64.10	1.60	50.50	329.29	0.00	0.00	445.49	1,515.61
Johor	4,714.74	0.00	32.70	81.55	0.00	4,828.99	3,192.62	1,918.39	0.48	9,366.76	4.98	0.00	14,483.23	19,312.22
Pahang	9,857.05	23.04	846.57	16.13	0.00	10,742.79	2,019.48	6.49	0.00	0.00	0.00	0.00	2,025.97	12,768.76
Terengganu	458.03	0.00	1,246.29	51.39	0.00	1,755.71	194.59	117.92	0.00	0.00	77.87	0.00	390.38	2,146.09
Kelantan	481.42	0.00	26.52	75.78	272.62	856.34	75.54	137.29	0.00	0.00	5.30	0.00	218.13	1,074.47
Sarawak	719.22	0.00	138.22	0.00	0.00	857.44	1,676.87	45.30	0.00	0.00	0.00	0.00	1,722.17	2,579.61
Sabah	5,017.74	0.00	75.15	36.68	0.00	5,129.57	1,843.06	542.85	27.36	32.89	93.67	11,847.40	14,387.23	19,516.80
Jumlah/Total	34,349.11	5,880.65	3,032.39	956.90	356.51	44,575.56	13,642.57	7,033.99	79,912.21	9,764.44	197.63	11,847.40	122,398.24	166,973.80

JADUAL(TABLE) 14.2

MALAYSIA
 ANGGARAN NILAI BORONG IKAN TERNAKAN, KERANG, SIPUT SUDU , TIRAM DAN RUMPAI LAUT
 MENGIKUT NEGERI DAN SISTEM TERNAKAN, 1999
 ESTIMATED WHOLESale VALUE OF FISH, COCKLES, MUSSELS, OYSTERS AND SEAWEEDS
 BY STATE AND CULTURE SYSTEM, 1999
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Negeri State	Airtawar/Freshwater						Airpayau/Brackishwater							Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Tangki Simen Cement Tanks	Kandang Ikan Pen Culture	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oyster	Rumpai Laut Seaweed	Jumlah Kecil Sub Total	
Perlis	293.73	0.00	25.97	16.12	6.69	342.51	2,447.59	594.00	0.00	0.00	0.00	0.00	3,041.59	3,384.10
Kedah	2,811.48	10.83	51.70	25.18	44.93	2,944.12	13,110.59	3,239.46	146.20	13.39	110.88	0.00	16,620.52	19,564.64
Pulau Pinang	332.55	0.00	0.00	1.31	0.00	333.86	5,637.80	13,586.15	9,789.80	0.00	104.10	0.00	29,117.85	29,451.71
Perak	17,956.27	18,302.55	420.37	933.33	273.58	37,886.10	55,318.27	9,087.89	44,825.53	8.00	0.00	0.00	109,239.69	147,125.79
Selangor	18,288.24	1,700.28	253.15	1,787.11	0.00	22,028.78	32,478.90	18,708.48	7,023.77	0.00	0.00	0.00	58,211.15	80,239.93
Negeri Sembilan	7,289.49	368.31	1,813.21	76.68	0.00	9,547.69	5,715.18	0.00	0.00	24.17	0.00	0.00	5,739.35	15,287.04
Melaka	3,745.16	0.00	54.25	10.11	0.00	3,809.52	1,812.65	17.20	50.50	263.43	0.00	0.00	2,143.78	5,953.30
Johor	23,916.29	0.00	165.02	268.63	0.00	24,349.94	78,897.77	28,772.85	0.31	4,215.04	75.55	0.00	111,961.52	136,311.46
Pahang	90,073.59	115.50	5,705.76	68.23	0.00	95,963.08	60,436.99	60.58	0.00	0.00	0.00	0.00	60,497.57	156,460.65
Terengganu	2,169.16	0.00	6,354.55	211.26	0.00	8,734.97	3,725.01	1,035.19	0.00	0.00	883.82	0.00	5,644.02	14,378.99
Kelantan	2,447.31	0.00	132.21	315.81	1,312.92	4,208.25	1,622.28	1,380.54	0.00	0.00	40.49	0.00	3,043.31	7,251.56
Sarawak	4,082.44	0.00	621.99	0.00	0.00	4,704.43	49,387.89	439.80	0.00	0.00	0.00	0.00	49,827.69	54,532.12
Sabah	41,746.83	0.00	601.20	293.44	0.00	42,641.47	51,605.68	4,088.88	54.72	49.34	187.34	6,516.07	62,502.03	105,143.50
Jumlah/Total	215,152.54	20,497.47	16,199.38	4,007.21	1,638.12	257,494.72	362,196.60	81,011.02	61,890.83	4,573.37	1,402.18	6,516.07	517,590.07	775,084.79

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 ANGGARAN NILAI RUNCIT IKAN TERNAKAN, KERANG, SIPUT SUDU, TIRAM DAN RUMPAI LAUT
 MENGIKUT NEGERI DAN SISTEM TERNAKAN, 1999
 ESTIMATED RETAIL VALUE OF FISH, COCKLES, MUSSELS, OYSTERS AND SEAWEEDS
 BY STATE AND CULTURE SYSTEM, 1999
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Negeri State	Airtawar/Freshwater						Airpayau/Brackishwater							Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Tangki Simen Cement Tanks	Kandang Ikan Pen Culture	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oyster	Rumpai Laut Seaweed	Jumlah Kecil Sub Total	
Perlis	384.43	0.00	32.74	19.90	8.40	445.47	3,183.40	792.00	0.00	0.00	0.00	0.00	3,975.40	4,420.87
Kedah	4,219.02	14.84	69.24	40.50	60.20	4,403.80	15,606.38	3,879.13	233.92	20.38	166.31	0.00	19,906.12	24,309.92
Pulau Pinang	543.01	0.00	0.00	2.28	0.00	545.29	7,085.77	16,976.42	11,188.34	0.00	104.10	0.00	35,354.63	35,899.92
Perak	26,267.31	27,524.76	595.99	1,353.09	402.44	56,143.59	67,579.62	11,245.10	72,281.16	10.00	0.00	0.00	151,115.88	207,259.47
Selangor	26,215.34	2,370.26	340.25	2,405.50	0.00	31,331.35	37,162.08	22,969.23	11,353.49	0.00	0.00	0.00	71,484.80	102,816.15
Negeri Sembilan	11,155.56	595.35	2,980.48	141.97	0.00	14,873.36	6,582.82	0.00	0.00	29.48	0.00	0.00	6,612.30	21,485.66
Melaka	5,681.43	0.00	84.71	14.80	0.00	5,780.94	1,921.18	20.13	60.60	345.75	0.00	0.00	2,347.66	8,128.60
Johor	33,447.31	0.00	226.97	414.24	0.00	34,088.52	94,258.12	36,609.27	0.72	7,025.07	87.55	0.00	137,980.73	172,069.25
Pahang	115,745.83	151.97	6,647.82	83.39	0.00	122,629.01	80,583.77	83.99	0.00	0.00	0.00	0.00	80,667.76	203,296.77
Terengganu	2,881.54	0.00	8,507.48	290.89	0.00	11,679.91	4,344.15	1,256.24	0.00	0.00	1,020.10	0.00	6,620.49	18,300.40
Kelantan	3,227.20	0.00	172.68	440.38	1,714.99	5,555.25	1,831.79	1,652.62	0.00	0.00	50.88	0.00	3,535.29	9,090.54
Sarawak	6,473.12	0.00	1,174.87	0.00	0.00	7,647.99	59,357.00	656.40	0.00	0.00	0.00	0.00	60,013.40	67,661.39
Sabah	51,702.74	0.00	751.50	366.80	0.00	52,821.04	58,977.92	6,133.32	82.08	65.78	234.18	6,516.07	72,009.35	124,830.39
Jumlah/Total	287,943.84	30,657.18	21,584.73	5,573.74	2,186.03	347,945.52	438,474.00	102,273.85	95,200.31	7,496.46	1,663.12	6,516.07	651,623.81	999,569.33

JADUAL (TABLE) 14.4

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRTAWAR, SANGKAR AIRTAWAR,
 BEKAS LOMBONG, TANGKI SIMEN DAN KANDANG MENGIKUT SPESIS IKAN, 1999
 ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS, FRESHWATER CAGES,
 EX-MINING POOLS, CEMENT TANKS AND PEN CULTURE BY FISH SPECIES, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Spesis Species	Sistem Ternakan Culture system					Jumlah Total
	Kolam Airtawar Freshwater Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Airtawar Freshwater Cages	Tangki Simen Cement Tanks	Kandang Pen Culture	
Lampam Jawa Javanese Carp	1,275.73	445.13	27.76	0.00	38.98	1,787.60
Lee Koh Common Carp	887.21	154.82	0.00	0.00	0.13	1,042.16
Kap Rumput Grass Carp	812.85	609.97	22.71	0.00	8.10	1,453.63
Kap Kepala Besar Big Head Carp	146.25	974.18	0.00	0.00	5.03	1,125.46
Udang Galah Giant Freshwater Prawn	652.58	0.00	0.00	0.00	0.00	652.58
Tilapia Hitam Black Tilapia	1,716.64	521.54	54.69	11.79	0.75	2,305.41
Tilapia Merah Red Tilapia	7,942.85	2,230.62	1,955.14	666.87	246.05	13,041.53
Jelawat River Carp	472.41	160.05	13.75	0.00	7.48	653.69
Keli Freshwater Catfish	8,931.85	4.50	0.00	259.97	0.61	9,196.93
Ketutu Goby	203.20	0.00	0.00	0.00	0.00	203.20
Belut Eel	1,500.00	0.00	0.00	0.00	0.00	1,500.00
Patin River Catfish	1,221.74	2.48	621.69	8.98	34.50	1,889.39
Toman Giant Snakehead	1,241.24	0.00	0.00	0.00	0.00	1,241.24
Baung River Catfish	371.10	21.80	279.41	0.00	9.13	681.44
Pelbagai Others	6,973.46	755.56	57.24	9.29	5.75	7,801.30
Jumlah Total	34,349.11	5,880.65	3,032.39	956.90	356.51	44,575.56

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ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIRTAWAR, SANGKAR AIRTAWAR,
BEKAS LOMBONG, TANGKI SIMEN DAN KANDANG MENGIKUT SPESIS IKAN, 1999
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS, FRESHWATER CAGES,
EX-MINING POOLS, CEMENT TANKS AND PEN CULTURE BY FISH SPECIES, 1999
(NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Spesis Species	Sistem Ternakan Culture system					Jumlah Total
	Kolam Airtawar Freshwater Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Airtawar Freshwater Cages	Tangki Simen Cement Tanks	Kandang Pen Culture	
Lampam Jawa Javanese Carp	6,758.22	1,846.59	125.91	0.00	188.81	8,919.53
Lee Koh Common Carp	6,060.63	619.28	0.00	0.00	0.53	6,680.44
Kap Rumpot Grass Carp	4,031.07	2,680.70	94.81	0.00	35.64	6,842.22
Kap Kepala Besar Big Head Carp	484.43	2,463.99	0.00	0.00	12.63	2,961.05
Udang Galah Giant Freshwater Prawn	15,249.75	0.00	0.00	0.00	0.00	15,249.75
Tilapia Hitam Black Tilapia	12,464.23	1,563.78	337.91	90.72	2.22	14,458.86
Tilapia Merah Red Tilapia	40,377.86	8,425.40	8,491.00	2,919.97	1,103.61	61,317.84
Jelawat River Carp	3,253.06	970.23	90.77	0.00	45.74	4,359.80
Keli Freshwater Catfish	29,050.21	15.20	0.00	913.25	2.29	29,980.95
Ketutu Goby	7,162.59	0.00	0.00	0.00	0.00	7,182.59
Belut Eel	42,780.00	0.00	0.00	0.00	0.00	42,780.00
Patin River Catfish	6,822.26	19.62	4,724.60	41.46	154.90	11,762.84
Toman Giant Snakehead	8,365.66	0.00	0.00	0.00	0.00	8,365.66
Baung River Catfish	3,298.64	176.18	2,128.75	0.00	78.05	5,681.62
Pelbagai Others	28,973.93	1,716.50	205.63	41.81	13.70	30,951.57
Jumlah Total	215,152.54	20,497.47	16,199.38	4,007.21	1,638.12	257,494.72

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIRTAWAR, SANGKAR AIRTAWAR,
BEKAS LOMBONG, TANGKI SIMEN DAN KANDANG MENGIKUT SPESIS IKAN, 1999
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS, FRESHWATER CAGES,
EX-MINING POOLS, CEMENT TANKS AND PEN CULTURE BY FISH SPECIES, 1999
(NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Spesis Species	Sistem Ternakan Culture system					Jumlah Total
	Kolam Airtawar Freshwater Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Airtawar Freshwater Cages	Tangki Simen Cement Tanks	Kandang Pen Culture	
Lampam Jawa Javanese Carp	8,971.26	2,605.45	164.68	0.00	246.87	11,988.26
Lee Koh Common Carp	7,856.65	933.49	0.00	0.00	0.79	8,790.93
Kap Rumpot Grass Carp	5,602.93	4,004.93	141.50	0.00	53.38	9,802.74
Kap Kepala Besar Big Head Carp	731.01	4,045.32	0.00	0.00	20.77	4,797.10
Udang Galah Giant Freshwater Prawn	18,053.27	0.00	0.00	0.00	0.00	18,053.27
Tilapia Hitam Black Tilapia	15,712.39	2,340.18	434.34	114.27	3.36	18,604.54
Tilapia Merah Red Tilapia	54,038.96	12,135.17	11,983.62	3,977.45	1,463.21	83,598.41
Jelawat River Carp	4,565.17	1,386.23	129.34	0.00	65.16	6,145.90
Keli Freshwater Catfish	43,678.24	22.60	0.00	1,371.63	3.23	45,075.70
Ketutu Goby	8,343.05	0.00	0.00	0.00	0.00	8,343.05
Belut Eel	57,045.00	0.00	0.00	0.00	0.00	57,045.00
Patin River Catfish	9,216.29	22.52	5,498.17	55.31	209.02	15,001.31
Toman Giant Snakehead	11,121.66	0.00	0.00	0.00	0.00	11,121.66
Baung River Catfish	4,362.63	238.92	2,935.52	0.00	98.41	7,635.48
Pelbagai Others	38,645.33	2,922.37	297.56	55.08	21.83	41,942.17
Jumlah Total	287,943.84	30,657.18	21,584.73	5,573.74	2,186.03	347,945.52

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRPAYAU, SANGKAR AIRPAYAU,
 TERNAKAN KERANG, TERNAKAN SIPUT SUDU, TERNAKAN TIRAM DAN TERNAKAN RUMPAI LAUT MENGIKUT SPESIS IKAN, 1999
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER PONDS, BRACKISHWATER CAGES,
 COCKLE CULTURE, MUSSEL CULTURE, OYSTER CULTURE AND SEAWEED CULTURE BY FISH SPECIES, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Spesis Species	Sistem Ternakan Culture system						Jumlah Total
	Kolam Airpayau Brackishwater Ponds	Sangkar airpayau Brackishwater Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	Rumpai Laut (Basah) Seaweed (wet)	
Siakap Barramundi	989.38	2,149.18	0.00	0.00	0.00	0.00	3,138.56
Siakap Merah Mangrove Red Snapper	0.00	2,070.95	0.00	0.00	0.00	0.00	2,070.95
Kerapu Grouper	70.23	878.14	0.00	0.00	0.00	0.00	948.37
Jenahak Mangrove Snapper	221.87	1,092.76	0.00	0.00	0.00	0.00	1,314.63
Udang Putih Banana Prawn	454.30	0.00	0.00	0.00	0.00	0.00	454.30
Udang Harimau Tiger Prawn	11,733.05	0.00	0.00	0.00	0.00	0.00	11,733.05
Ketam Mud Crab	29.27	151.79	0.00	0.00	0.00	0.00	181.06
Ketam Telur Berried crabs	0.00	6.24	0.00	0.00	0.00	0.00	6.24
Tilapia Merah Red Tilapia	36.83	58.72	0.00	0.00	0.00	0.00	95.55
Merah Red Snapper	0.00	173.95	0.00	0.00	0.00	0.00	173.95
Kerang Dewasa Cockles	0.00	0.00	79,912.21	0.00	0.00	0.00	79,912.21
Siput sudu Mussels	0.00	0.00	0.00	9,764.44	0.00	0.00	9,764.44
Tiram Oysters	0.00	0.00	0.00	0.00	197.63	0.00	197.63
Rumpai laut Seaweed	0.00	0.00	0.00	0.00	0.00	11,847.40	11,847.40
Pelbagai Others	107.64	452.26	0.00	0.00	0.00	0.00	559.90
Jumlah Total	13,642.57	7,033.99	79,912.21	9,764.44	197.63	11,847.40	122,398.24

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIRPAYAU, SANGKAR AIRPAYAU,
 TERNAKAN KERANG, TERNAKAN SIPUT SUDU, TERNAKAN TIRAM DAN TERNAKAN RUMPAI LAUT MENGIKUT SPESIS IKAN, 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS, BRACKISHWATER CAGES,
 COCKLE CULTURE, MUSSEL CULTURE, OYSTER CULTURE AND SEAWEED CULTURE BY FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Spesis Species	Sistem Ternakan Culture system						Jumlah Total
	Kolam Airpayau Brackishwater Ponds	Sangkar airpayau Brackishwater Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	Rumpai Laut (basah) Seaweed (wet)	
Siakap Barramundi	12,227.86	24,867.13	0.00	0.00	0.00	0.00	37,094.99
Siakap Merah Mangrove Red Snapper	0.00	16,020.72	0.00	0.00	0.00	0.00	16,020.72
Kerapu Grouper	1,898.20	14,369.29	0.00	0.00	0.00	0.00	16,267.49
Jenahak Mangrove Snapper	2,981.80	14,419.80	0.00	0.00	0.00	0.00	17,401.60
Udang Putih Banana Prawn	14,645.40	0.00	0.00	0.00	0.00	0.00	14,645.40
Udang Harimau Tiger Prawn	328,092.52	0.00	0.00	0.00	0.00	0.00	328,092.52
Ketam Mud Crab	291.67	1,906.39	0.00	0.00	0.00	0.00	2,198.06
Ketam Telur Berried crabs	0.00	71.70	0.00	0.00	0.00	0.00	71.70
Tilapia Merah Red Tilapia	190.46	287.83	0.00	0.00	0.00	0.00	478.29
Merah Red Snapper	0.00	2,338.71	0.00	0.00	0.00	0.00	2,338.71
Kerang Dewasa Cockles	0.00	0.00	61,890.83	0.00	0.00	0.00	61,890.83
Siput sudu Mussels	0.00	0.00	0.00	4,573.37	0.00	0.00	4,573.37
Tiram Oysters	0.00	0.00	0.00	0.00	1,402.18	0.00	1,402.18
Rumpai laut Seaweed	0.00	0.00	0.00	0.00	0.00	6,516.07	6,516.07
Pelbagai Others	1,868.69	6,729.45	0.00	0.00	0.00	0.00	8,598.14
Jumlah Total	362,196.60	81,011.02	61,890.83	4,573.37	1,402.18	6,516.07	517,590.07

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIRPAYAU, SANGKAR AIRPAYAU,
TERNAKAN KERANG, TERNAKAN SIPUT SUDU, TERNAKAN TIRAM DAN TERNAKAN RUMPAI LAUT MENGIKUT SPESIS IKAN, 1999
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS, BRACKISHWATER CAGES,
COCKLE CULTURE, MUSSEL CULTURE, OYSTER CULTURE AND SEAWEED CULTURE BY FISH SPECIES, 1999
(NILAI DALAM RM ' 000/ VALUE IN RM ' 000)

Spesis Species	Sistem Ternakan Culture system						Jumlah Total
	Kolam Airpayau Brackishwater Ponds	Sangkar airpayau Brackishwater Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	Rumpai Laut (basah) Seaweed (wet)	
Siakap Barramundi	15,483.47	31,619.27	0.00	0.00	0.00	0.00	47,102.74
Siakap Merah Mangrove Red Snapper	0.00	20,198.22	0.00	0.00	0.00	0.00	20,198.22
Kerapu Grouper	2,390.98	18,479.97	0.00	0.00	0.00	0.00	20,870.95
Jenahak Mangrove Snapper	3,854.24	18,269.90	0.00	0.00	0.00	0.00	22,124.14
Udang Putih Banana Prawn	17,183.86	0.00	0.00	0.00	0.00	0.00	17,183.86
Udang Harimau Tiger Prawn	396,677.88	0.00	0.00	0.00	0.00	0.00	396,677.88
Ketam Mud Crab	401.07	2,440.78	0.00	0.00	0.00	0.00	2,841.85
Ketam Telur Berried crabs	0.00	120.24	0.00	0.00	0.00	0.00	120.24
Tilapia Merah Red Tilapia	249.56	360.92	0.00	0.00	0.00	0.00	610.48
Merah Red Snapper	0.00	2,882.69	0.00	0.00	0.00	0.00	2,882.69
Kerang Dewasa Cockles	0.00	0.00	95,200.31	0.00	0.00	0.00	95,200.31
Siput sudu Mussels	0.00	0.00	0.00	7,496.46	0.00	0.00	7,496.46
Tiram Oysters	0.00	0.00	0.00	0.00	1,663.12	0.00	1,663.12
Rumpai laut Seaweed	0.00	0.00	0.00	0.00	0.00	6,516.07	6,516.07
Pelbagai Others	2,232.94	7,901.86	0.00	0.00	0.00	0.00	10,134.80
Jumlah Total	438,474.00	102,273.85	95,200.31	7,496.46	1,663.12	6,516.07	651,623.81

JADUAL(TABLE) 15.1

MALAYSIA
BILANGAN DAN LUAS KOLAM AIRTAWAR YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
NUMBER AND AREA OF FRESHWATER PONDS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Kolam Airtawar <i>Freshwater Ponds</i>		Bilangan Penternak <i>No. Of Culturists</i>				
	Bilangan <i>Number</i>	Luas (ha) <i>Area(ha)</i>	Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
Perlis	193	27.49	109	2	0	1	112
Kedah	1,516	181.40	558	15	0	13	586
Pulau Pinang	98	18.63	28	5	0	3	36
Perak	2,573	718.12	1,007	192	9	22	1,230
Selangor	2,089	495.69	386	163	34	78	661
Negeri Sembilan	1,752	412.57	825	172	9	12	1,018
Melaka	526	113.02	226	48	1	0	275
Johor	2,267	289.95	248	143	3	32	426
Pahang	2,813	998.02	1,262	128	4	25	1,419
Terengganu	1,369	112.45	690	4	0	0	694
Kelantan	2,073	214.27	1,394	6	0	9	1,409
Sarawak	1,332	104.63	42	88	0	806	936
Sabah	14,937	1,433.64	91	837	2	4,214	5,144
Jumlah/Total	33,538	5,119.88	6,866	1,803	62	5,215	13,946

JADUAL(TABLE) 15.2

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS
 BY STATE AND FISH SPECIES,1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	3.43	20.47	0.60	56.80	0.00	0.00	0.00	0.00	0.00	8.66	89.96
Kedah	53.72	8.52	9.00	0.00	5.07	22.77	134.98	15.54	482.30	0.00	0.00	1.18	0.00	1.48	69.16	803.72
Pulau Pinang	5.75	2.94	0.00	0.00	0.38	0.00	13.30	0.00	87.88	0.00	0.00	0.00	0.00	0.00	0.43	110.68
Perak	441.12	180.87	393.51	111.50	59.57	20.08	1,578.83	114.97	1,435.50	0.00	0.00	0.00	0.00	42.16	229.53	4,607.64
Selangor	22.84	24.36	38.80	0.43	0.40	51.90	559.47	6.26	3,408.55	0.10	0.00	244.73	0.00	182.58	459.47	4,999.89
Negeri Sembilan	69.84	11.53	37.41	0.00	82.86	10.37	950.28	3.83	211.06	0.62	0.00	0.00	0.00	0.30	60.35	1,438.45
Melaka	33.85	2.57	4.37	0.14	6.15	71.49	48.40	7.63	701.40	3.86	0.00	2.51	0.00	0.00	168.20	1,050.57
Johor	5.97	79.50	73.66	3.26	8.42	24.46	576.55	0.00	2,019.54	51.32	0.00	307.47	1,211.33	123.54	229.72	4,714.74
Pahang	166.98	89.55	185.39	24.92	487.60	2.07	1,503.83	33.31	50.79	67.82	1,500.00	104.12	29.91	0.00	5,610.76	9,857.05
Terengganu	38.01	18.28	13.69	2.58	2.13	36.85	196.71	11.67	80.64	0.00	0.00	30.63	0.00	19.27	7.57	458.03
Kelantan	66.23	14.79	20.66	0.57	0.00	43.88	150.30	59.65	51.46	0.54	0.00	29.86	0.00	1.77	41.71	481.42
Sarawak	90.46	90.41	0.00	0.00	0.00	0.39	147.17	217.85	29.54	0.00	0.00	55.50	0.00	0.00	87.90	719.22
Sabah	280.96	363.89	36.36	2.85	0.00	1,428.95	2,062.56	1.10	316.39	78.94	0.00	445.74	0.00	0.00	0.00	5,017.74
Jumlah/Total	1,275.73	887.21	812.85	146.25	652.58	1,716.64	7,942.85	472.41	8,931.85	203.20	1,500.00	1,221.74	1,241.24	371.10	6,973.46	34,349.11

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

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

JADUAL (TABLE) 15.3

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM '000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	12.01	81.88	3.46	170.40	0.00	0.00	0.00	0.00	0.00	25.98	293.73
Kedah	210.58	39.45	42.75	0.00	101.40	81.52	516.97	135.35	1,446.90	0.00	0.00	9.91	0.00	10.18	216.47	2,811.48
Pulau Pinang	22.48	7.94	0.00	0.00	8.99	0.00	52.27	0.00	239.03	0.00	0.00	0.00	0.00	0.00	1.84	332.55
Perak	1,813.00	723.48	1,731.44	279.87	1,649.49	59.44	5,810.09	695.57	4,363.92	0.00	0.00	0.00	0.00	341.07	488.90	17,956.27
Selangor	123.79	97.44	179.64	1.17	9.67	173.35	2,579.16	42.63	11,418.64	4.78	0.00	616.72	0.00	1,593.92	1,447.33	18,288.24
Negeri Sembilan	265.39	45.43	152.63	0.00	2,415.37	32.98	3,506.53	18.96	679.61	19.13	0.00	0.00	0.00	2.58	150.88	7,289.49
Melaka	124.57	11.31	15.95	0.31	148.89	233.77	205.22	32.81	2,020.03	119.66	0.00	6.78	0.00	0.00	825.86	3,745.16
Johor	22.03	373.65	478.79	26.08	197.03	84.88	2,513.76	0.00	6,240.38	2,307.86	0.00	1,202.21	8,188.59	1,192.16	1,088.87	23,916.29
Pahang	879.98	419.09	880.60	127.84	10,683.32	6.21	6,361.20	449.69	177.77	2,349.28	42,780.00	823.59	177.07	0.00	23,957.95	90,073.59
Terengganu	166.86	80.43	67.08	12.33	35.59	158.46	889.13	80.76	329.01	0.00	0.00	183.47	0.00	143.56	22.48	2,169.16
Kelantan	339.10	81.05	118.59	2.63	0.00	188.25	698.90	472.43	205.33	13.68	0.00	136.16	0.00	15.17	176.02	2,447.31
Sarawak	542.76	542.46	0.00	0.00	0.00	1.76	662.27	1,307.10	177.24	0.00	0.00	277.50	0.00	0.00	571.35	4,082.44
Sabah	2,247.68	3,638.90	363.60	34.20	0.00	11,431.60	16,500.48	14.30	1,581.95	2,368.20	0.00	3,565.92	0.00	0.00	0.00	41,746.83
Jumlah/Total	6,758.22	6,060.63	4,031.07	484.43	15,249.75	12,464.23	40,377.86	3,253.06	29,050.21	7,182.59	42,780.00	6,822.26	8,365.66	3,298.64	28,973.93	215,152.54

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

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

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM '000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	15.44	102.35	4.80	227.20	0.00	0.00	0.00	0.00	0.00	34.64	384.43
Kedah	284.18	58.62	64.89	0.00	124.62	108.16	692.45	185.86	2,387.39	0.00	0.00	13.22	0.00	14.00	285.63	4,219.02
Pulau Pinang	30.36	8.82	0.00	0.00	12.01	0.00	71.82	0.00	417.43	0.00	0.00	0.00	0.00	0.00	2.57	543.01
Perak	2,567.32	1,088.84	2,593.23	460.50	2,063.50	89.96	8,415.16	994.49	6,689.43	0.00	0.00	0.00	0.00	462.50	842.38	26,267.31
Selangor	160.79	155.42	240.95	1.72	11.54	236.15	3,446.34	56.59	16,395.13	5.87	0.00	1,020.52	0.00	2,099.67	2,384.65	26,215.34
Negeri Sembilan	440.69	73.79	229.32	0.00	2,985.45	54.65	5,777.70	32.71	1,260.03	26.51	0.00	0.00	0.00	3.74	270.97	11,155.56
Melaka	178.05	14.52	21.81	0.41	180.13	305.96	265.72	42.42	3,212.41	165.59	0.00	11.02	0.00	0.00	1,283.37	5,681.43
Johor	32.00	546.96	552.45	29.34	234.24	136.00	3,534.25	0.00	9,915.94	2,759.99	0.00	1,850.97	10,889.86	1,564.02	1,401.29	33,447.31
Pahang	1,056.98	559.69	1,219.87	180.67	12,394.79	9.32	7,774.80	557.94	304.74	2,605.64	57,045.00	945.41	231.80	0.00	30,859.18	115,745.83
Terengganu	207.91	107.30	86.25	15.17	46.99	213.36	1,166.49	100.01	454.81	0.00	0.00	247.80	0.00	199.64	35.81	2,881.54
Kelantan	434.47	107.52	157.84	3.30	0.00	250.55	915.33	613.20	293.84	16.55	0.00	181.55	0.00	19.06	233.99	3,227.20
Sarawak	768.91	768.49	0.00	0.00	0.00	3.32	1,250.95	1,960.65	221.55	0.00	0.00	488.40	0.00	0.00	1,010.85	6,473.12
Sabah	2,809.60	4,366.68	436.32	39.90	0.00	14,289.50	20,625.60	16.50	1,898.34	2,762.90	0.00	4,457.40	0.00	0.00	0.00	51,702.74
Jumlah/Total	8,971.26	7,856.65	5,602.93	731.01	18,053.27	15,712.39	54,038.96	4,565.17	43,678.24	8,343.05	57,045.00	9,216.29	11,121.66	4,362.63	38,645.33	287,943.84

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

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

JADUAL(TABLE) 16.1

MALAYSIA
 BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN
 SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
 NUMBER AND AREA OF EX-MINING POOLS IN OPERATION AND
 NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Bekas Lombong Ex-Mining Pools		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (ha) Area(ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	1	4.10	0	1	0	0	1
Pulau Pinang	0	0.00	0	0	0	0	0
Perak	262	1,086.59	51	102	0	10	163
Selangor	109	216.38	36	14	1	6	57
Negeri Sembilan	9	14.75	0	9	0	0	9
Melaka	0	0.00	0	0	0	0	0
Johor	0	0.00	0	0	0	0	0
Pahang	9	280.00	235	0	0	0	235
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	390	1,601.82	322	126	1	16	465

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI BEKAS LOMBONG
MENGIKUT NEGERI DAN SPESIS IKAN, 1999
ESTIMATED FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND FISH SPECIES, 1999
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Patin River Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	1.00	0.00	0.19	0.00	0.00	0.00	0.30	0.35	0.00	0.15	0.25	2.24
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	430.78	150.72	571.73	956.78	0.00	468.86	1,925.66	158.66	0.00	21.65	658.56	5,343.40
Selangor	11.99	4.10	11.72	7.49	0.00	52.68	231.56	1.01	3.70	0.00	89.40	413.65
Negeri Sembilan	0.00	0.00	22.60	3.72	0.00	0.00	72.00	0.00	0.00	0.00	0.00	98.32
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	1.36	0.00	3.73	6.19	2.48	0.00	1.10	0.03	0.80	0.00	7.35	23.04
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	445.13	154.82	609.97	974.18	2.48	521.54	2,230.62	160.05	4.50	21.80	755.56	5,880.65

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

Note: Miscellaneous-Includes SnakeHead, Snakeskin Gouramy and others

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI BEKAS LOMBONG
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM EX-MINING POOLS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Baung River Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	3.92	0.00	0.90	0.00	1.03	0.00	1.15	3.05	0.00	0.00	0.78	10.83
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	1,770.51	602.88	2,515.61	2,401.52	175.15	1,387.83	7,086.43	959.89	0.00	0.00	1,402.73	18,302.55
Selangor	64.99	16.40	54.26	20.30	0.00	175.95	1,067.49	6.88	12.40	0.00	281.61	1,700.28
Negeri Sembilan	0.00	0.00	92.21	10.42	0.00	0.00	265.68	0.00	0.00	0.00	0.00	368.31
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	7.17	0.00	17.72	31.75	0.00	0.00	4.65	0.41	2.80	19.62	31.38	115.50
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	1,846.59	619.28	2,680.70	2,463.99	176.18	1,563.78	8,425.40	970.23	15.20	19.62	1,716.50	20,497.47

Nota: Pelbag

am dan Lain - lain

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

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI BEKAS LOMBONG
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM EX-MINING POOLS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Baung River Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	5.29	0.00	1.37	0.00	1.42	0.00	1.54	4.19	0.00	0.00	1.03	14.84
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	2,507.14	907.33	3,767.70	3,951.50	237.50	2,100.49	10,263.77	1,372.41	0.00	0.00	2,416.92	27,524.76
Selangor	84.41	26.16	72.78	29.89	0.00	239.69	1,426.41	9.13	17.80	0.00	463.99	2,370.26
Negeri Sembilan	0.00	0.00	138.54	19.05	0.00	0.00	437.76	0.00	0.00	0.00	0.00	595.35
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	8.61	0.00	24.54	44.88	0.00	0.00	5.69	0.50	4.80	22.52	40.43	151.97
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	2,605.45	933.49	4,004.93	4,045.32	238.92	2,340.18	12,135.17	1,386.23	22.60	22.52	2,922.37	30,657.18

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

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

JADUAL(TABLE) 17.1

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIRTAWAR YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
NUMBER AND AREA OF FRESHWATER CAGES IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Sangkar Airtawar <i>Freshwater Cages</i>		Bilangan Penternak <i>No. Of Culturists</i>				
	Bilangan <i>Number</i>	Luas (M ²) <i>Area(M²)</i>	Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
Perlis	68	612.00	5	0	0	2	7
Kedah	125	1,395.73	11	0	0	1	12
Pulau Pinang	9	67.00	2	0	0	0	2
Perak	564	7,200.00	47	3	0	0	50
Selangor	583	11,297.46	2	4	0	3	9
Negeri Sembilan	1,020	14,682.00	1	4	0	0	5
Melaka	291	6,314.00	1	2	0	0	3
Johor	260	2,861.41	7	1	1	2	11
Pahang	2956	35,824.73	664	3	0	39	706
Terengganu	1404	28,349.48	180	4	0	1	185
Kelantan	255	6,295.40	56	0	0	0	56
Sarawak	967	26,839.00	0	0	0	468	468
Sabah	12	86.40	0	0	0	3	3
Jumlah/Total	8,514	141,824.61	976	21	1	519	1,517

JADUAL(TABLE)17.2

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIRTAWAR
MENGIKUT NEGERI DAN SPESIS IKAN, 1999
ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES
BY STATE AND FISH SPECIES,1999
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Commom Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	5.66	0.00	0.00	0.00	0.00	1.11	6.77
Kedah	0.00	0.00	0.00	0.00	0.00	0.17	13.34	0.00	0.00	0.00	0.00	0.00	13.51
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	4.36	0.00	3.10	0.00	0.00	0.08	47.34	4.50	3.54	0.00	20.94	2.27	86.13
Selangor	4.13	0.00	0.00	0.00	0.00	1.18	46.80	0.34	1.26	0.00	0.00	1.77	55.48
Negeri Sembilan	2.50	0.00	18.17	0.00	0.00	0.00	456.30	4.82	6.76	0.00	0.00	0.00	488.55
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	11.60	0.00	0.00	3.22	16.50
Johor	0.00	0.00	0.00	0.00	0.00	0.00	19.99	0.40	3.59	0.00	3.98	4.74	32.70
Pahang	2.26	0.00	1.24	0.00	0.00	5.47	249.89	1.35	565.10	0.00	4.16	17.10	846.57
Terengganu	13.82	0.00	0.00	0.00	0.00	16.81	913.95	2.34	24.61	0.00	247.97	26.79	1,246.29
Kelantan	0.69	0.00	0.20	0.00	0.00	0.92	16.88	0.00	5.23	0.00	2.36	0.24	26.52
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	138.22	0.00	0.00	0.00	0.00	0.00	138.22
Sabah	0.00	0.00	0.00	0.00	0.00	30.06	45.09	0.00	0.00	0.00	0.00	0.00	75.15
Jumlah/Total	27.76	0.00	22.71	0.00	0.00	54.69	1,955.14	13.75	621.69	0.00	279.41	57.24	3,032.39

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

Note: Micellaneous-Includes SnakeHead, Snakeskin Gouramy and others

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	22.64	0.00	0.00	0.00	0.00	3.33	25.97
Kedah	0.00	0.00	0.00	0.00	0.00	0.61	51.09	0.00	0.00	0.00	0.00	0.00	51.70
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	17.92	0.00	13.64	0.00	0.00	0.24	174.21	27.23	12.89	0.00	169.40	4.84	420.37
Selangor	22.38	0.00	0.00	0.00	0.00	3.94	215.75	2.32	3.18	0.00	0.00	5.58	253.15
Negeri Sembilan	9.50	0.00	74.13	0.00	0.00	0.00	1,683.75	23.86	21.97	0.00	0.00	0.00	1,813.21
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	7.12	0.00	31.32	0.00	0.00	15.81	54.25
Johor	0.00	0.00	0.00	0.00	0.00	0.00	87.16	2.94	14.04	0.00	38.41	22.47	165.02
Pahang	11.91	0.00	5.89	0.00	0.00	16.41	1,057.03	18.23	4,469.94	0.00	53.33	73.02	5,705.76
Terengganu	60.67	0.00	0.00	0.00	0.00	72.28	4,131.05	16.19	147.41	0.00	1,847.38	79.57	6,354.55
Kelantan	3.53	0.00	1.15	0.00	0.00	3.95	78.49	0.00	23.85	0.00	20.23	1.01	132.21
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	621.99	0.00	0.00	0.00	0.00	0.00	621.99
Sabah	0.00	0.00	0.00	0.00	0.00	240.48	360.72	0.00	0.00	0.00	0.00	0.00	601.20
Jumlah/Total	125.91	0.00	94.81	0.00	0.00	337.91	8,491.00	90.77	4,724.60	0.00	2,128.75	205.63	16,199.38

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

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

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	28.30	0.00	0.00	0.00	0.00	4.44	32.74
Kedah	0.00	0.00	0.00	0.00	0.00	0.81	68.43	0.00	0.00	0.00	0.00	0.00	69.24
Pulau Pirang	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	25.38	0.00	20.43	0.00	0.00	0.36	252.32	38.93	20.53	0.00	229.71	8.33	595.99
Selangor	29.08	0.00	0.00	0.00	0.00	5.37	288.29	3.07	5.25	0.00	0.00	9.19	340.25
Negeri Sembilan	15.78	0.00	111.38	0.00	0.00	0.00	2,774.30	41.16	37.86	0.00	0.00	0.00	2,980.48
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	9.22	0.00	50.92	0.00	0.00	24.57	84.71
Johor	0.00	0.00	0.00	0.00	0.00	0.00	122.54	3.52	21.61	0.00	50.39	28.91	226.97
Pahang	14.31	0.00	8.16	0.00	0.00	24.62	1,291.93	22.61	5,131.11	0.00	61.03	94.05	6,647.82
Terengganu	75.60	0.00	0.00	0.00	0.00	97.33	5,419.72	20.05	199.09	0.00	2,568.97	126.72	8,507.48
Kelantan	4.53	0.00	1.53	0.00	0.00	5.25	102.80	0.00	31.80	0.00	25.42	1.35	172.68
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	1,174.87	0.00	0.00	0.00	0.00	0.00	1,174.87
Sabah	0.00	0.00	0.00	0.00	0.00	300.60	450.90	0.00	0.00	0.00	0.00	0.00	751.50
Jumlah/Total	164.68	0.00	141.50	0.00	0.00	434.34	11,983.62	129.34	5,498.17	0.00	2,935.52	297.56	21,584.73

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

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

JADUAL(TABLE) 18.1

MALAYSIA
BILANGAN DAN LUAS TANGKI SIMEN YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
NUMBER AND AREA OF CEMENT TANKS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Tangki Simen Cement tanks		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	15	610.00	2	0	0	1	3
Kedah	16	527.15	8	0	0	0	8
Pulau Pinang	11	150.00	2	0	0	0	2
Perak	44	10,100.00	13	1	0	0	14
Selangor	146	25,322.88	17	7	1	1	26
Negeri Sembilan	162	5,653.37	26	0	0	1	27
Melaka	5	602.85	2	0	0	0	2
Johor	139	3,236.73	27	1	0	0	28
Pahang	64	442.64	22	1	0	0	23
Terengganu	190	3,327.58	74	1	0	0	75
Kelantan	89	4,240.50	30	0	0	0	30
Sarawak	0	0.00	0	0	0	0	0
Sabah	121	4,117.46	3	8	0	24	35
Jumlah/Total	1,002	58,331.16	226	19	1	27	273

JADUAL(TABLE) 18.2

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI TANGKI SIMEN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED FISH PRODUCTION OF FISH FROM CEMENT TANKS
 BY STATE AND FISH SPECIES, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Keli <i>Freshwater Catfish</i>	Tilapia Merah <i>Red Tilapia</i>	Tilapia Hitam <i>Black Tilapia</i>	Patin <i>River Catfish</i>	Lampam Jawa <i>Javanese Carp</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.70	2.23	0.00	0.85	0.00	0.00	3.78
Kedah	7.27	0.88	0.00	0.00	0.00	0.00	8.15
Pulau Pinang	0.48	0.00	0.00	0.00	0.00	0.00	0.48
Perak	4.99	249.50	0.00	0.00	0.00	0.00	254.49
Selangor	50.19	350.64	0.00	0.00	0.00	0.80	401.63
Negeri Sembilan	23.49	0.24	0.00	0.00	0.00	0.06	23.79
Melaka	2.01	0.94	0.10	0.00	0.00	0.00	3.05
Johor	69.63	3.27	0.69	1.09	0.00	6.87	81.55
Pahang	0.00	16.13	0.00	0.00	0.00	0.00	16.13
Terengganu	47.78	3.61	0.00	0.00	0.00	0.00	51.39
Kelantan	53.43	13.75	0.00	7.04	0.00	1.56	75.78
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	25.68	11.00	0.00	0.00	0.00	36.68
Jumlah/total	259.97	666.87	11.79	8.98	0.00	9.29	956.90

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

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

JADUAL(TABLE) 18.3

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI TANGKI SIMEN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM CEMENT TANKS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Keli Freshwater Catfish	Tilapia Merah Red Tilapia	Tilapia Hitam Black Tilapia	Patin River Catfish	Lampam Jawa Javanese Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	2.10	8.92	0.00	5.10	0.00	0.00	16.12
Kedah	21.81	3.37	0.00	0.00	0.00	0.00	25.18
Pulau Pinang	1.31	0.00	0.00	0.00	0.00	0.00	1.31
Perak	15.17	918.16	0.00	0.00	0.00	0.00	933.33
Selangor	168.14	1,616.45	0.00	0.00	0.00	2.52	1,787.11
Negeri Sembilan	75.64	0.89	0.00	0.00	0.00	0.15	76.68
Melaka	5.79	3.99	0.33	0.00	0.00	0.00	10.11
Johor	215.16	14.26	2.39	4.26	0.00	32.56	268.63
Pahang	0.00	68.23	0.00	0.00	0.00	0.00	68.23
Terengganu	194.94	16.32	0.00	0.00	0.00	0.00	211.26
Kelantan	213.19	63.94	0.00	32.10	0.00	6.58	315.81
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	205.44	88.00	0.00	0.00	0.00	293.44
Jumlah/total	913.25	2,919.97	90.72	41.46	0.00	41.81	4,007.21

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

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

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI TANGKI SIMEN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM CEMENT TANKS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Keli <i>Freshwater Catfish</i>	Tilapia Merah <i>Red Tilapia</i>	Tilapia Hitam <i>Black Tilapia</i>	Patin <i>River Catfish</i>	Lampam Jawa <i>Javanese Carp</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	2.80	11.15	0.00	5.95	0.00	0.00	19.90
Kedah	35.99	4.51	0.00	0.00	0.00	0.00	40.50
Pulau Pinang	2.28	0.00	0.00	0.00	0.00	0.00	2.28
Perak	23.25	1,329.84	0.00	0.00	0.00	0.00	1,353.09
Selangor	241.41	2,159.94	0.00	0.00	0.00	4.15	2,405.50
Negeri Sembilan	140.24	1.46	0.00	0.00	0.00	0.27	141.97
Melaka	9.21	5.16	0.43	0.00	0.00	0.00	14.80
Johor	341.88	20.05	3.84	6.56	0.00	41.91	414.24
Pahang	0.00	83.39	0.00	0.00	0.00	0.00	83.39
Terengganu	269.48	21.41	0.00	0.00	0.00	0.00	290.89
Kelantan	305.09	83.74	0.00	42.80	0.00	8.75	440.38
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	256.80	110.00	0.00	0.00	0.00	366.80
Jumlah/total	1,371.63	3,977.45	114.27	55.31	0.00	55.08	5,573.74

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

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

JADUAL(TABLE) 19.1

MALAYSIA
BILANGAN DAN LUAS KANDANG IKAN YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
NUMBER AND AREA OF PEN CULTURE IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Kandang ikan <i>Pen Culture</i>		Bilangan Penternak <i>No. Of Culturists</i>				
	Bilangan Number	Luas (Ha) Area(Ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	23	0.38	14	0	0	2	16
Kedah	34	2.66	38	0	0	0	38
Pulau Pinang	0	0.00	0	0	0	0	0
Perak	110	15.21	75	0	0	0	75
Selangor	0	0.00	0	0	0	0	0
Negeri Sembilan	0	0.00	0	0	0	0	0
Melaka	0	0.00	0	0	0	0	0
Johor	0	0.00	0	0	0	0	0
Pahang	21	1.53	20	0	0	0	20
Terengganu	60	3.60	60	0	0	0	60
Kelantan	932	208.22	907	0	0	0	907
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total	1,180	231.60	1,114	0	0	2	1,116

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KANDANG AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED FISH PRODUCTION FROM FRESHWATER PEN CULTURE
 BY STATE AND FISH SPECIES, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Commom Carp	Kap Rumpit Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Udang Galah Giant Fresh- Water Prawn	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.15	0.00	0.00	0.00	0.00	0.00	1.71
Kedah	2.43	0.01	0.00	0.00	0.00	0.00	8.10	0.03	0.00	0.00	0.00	0.00	0.00	1.30	11.87
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	7.77	0.12	8.10	5.03	0.00	0.75	33.89	7.23	0.00	0.00	2.63	0.00	0.41	4.38	70.31
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	28.78	0.00	0.00	0.00	0.00	0.00	202.50	0.22	0.46	0.00	31.87	0.00	8.72	0.07	272.62
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	38.98	0.13	8.10	5.03	0.00	0.75	246.05	7.48	0.61	0.00	34.50	0.00	9.13	5.75	356.51

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

Note: Micellaneous-Includes SnakeHead, Snakeskin Gouramy and Others

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KANDANG AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PEN CULTURE
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.24	0.00	0.45	0.00	0.00	0.00	0.00	6.69
Kedah	9.53	0.05	0.00	0.00	0.00	0.00	0.00	31.02	0.26	0.00	0.00	0.00	0.00	4.07	44.93
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	31.93	0.48	35.64	12.63	0.00	0.00	2.22	124.72	43.74	0.00	9.57	0.00	3.32	9.33	273.58
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	147.35	0.00	0.00	0.00	0.00	0.00	0.00	941.63	1.74	1.84	145.33	0.00	74.73	0.30	1,312.92
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	188.81	0.53	35.64	12.63	0.00	0.00	2.22	1,103.61	45.74	2.29	154.90	0.00	78.05	13.70	1,638.12

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

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

MALAYSIA
 ANGGAHAN NILAI RUNCIT PENGELUARAN IKAN DARI KANDANG AIRTAWAR
 MENGIKUT NEGERI DAN SPESIS IKAN 1999
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PEN CULTURE
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.80	0.00	0.60	0.00	0.00	0.00	0.00	8.40
Kedah	12.85	0.07	0.00	0.00	0.00	0.00	0.00	41.55	0.36	0.00	0.00	0.00	0.00	5.37	60.20
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	45.22	0.72	53.38	20.77	0.00	0.00	3.36	180.63	62.54	0.00	15.25	0.00	4.50	16.07	402.44
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	188.80	0.00	0.00	0.00	0.00	0.00	0.00	1,233.23	2.28	2.63	193.77	0.00	93.91	0.39	1,714.99
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	246.87	0.79	53.38	20.77	0.00	0.00	3.36	1,463.21	65.16	3.23	209.02	0.00	98.41	21.83	2,186.03

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

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

MALAYSIA
BILANGAN DAN LUAS KOLAM AIRPAYAU YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
NUMBER AND AREA OF BRACKISHWATER PONDS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Kolam Airpayau <i>Brackishwater Ponds</i>		Bilangan Penternak <i>No. Of Culturists</i>				
	Bilangan <i>Number</i>	Luas (Ha) <i>Area(Ha)</i>	Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
Perlis	44	35.37	5	3	0	0	8
Kedah	945	694.69	88	30	1	32	151
Pulau Pinang	209	136.48	21	74	4	24	123
Perak	1,200	910.82	44	45	4	59	152
Selangor	758	385.01	90	30	0	26	146
Negeri Sembilan	84	78.60	0	0	0	3	3
Melaka	90	48.41	14	1	0	4	19
Johor	903	801.24	29	66	1	6	102
Pahang	396	184.74	16	3	2	1	22
Terengganu	238	74.14	57	0	0	0	57
Kelantan	190	78.87	77	2	0	2	81
Sarawak	407	305.21	81	36	0	45	162
Sabah	1,452	1,128.92	0	40	0	34	74
Jumlah/Total	6,916	4,862.50	522	330	12	236	1,100

JADUAL(TABLE) 20.2

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN,1999
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND FISH SPECIES, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	120.50	3.00	0.30	0.00	123.80
Kedah	39.34	0.23	0.00	0.55	539.15	1.27	0.00	0.00	580.54
Pulau Pinang	90.08	0.33	0.00	0.00	202.67	7.70	0.00	0.00	300.78
Perak	53.50	0.20	0.00	0.00	1,975.35	3.60	0.00	0.00	2,032.65
Selangor	159.52	0.00	0.00	0.20	1,170.67	0.00	0.20	0.00	1,330.59
Negeri Sembilan	0.85	0.00	0.00	0.00	197.10	0.00	10.00	0.00	207.95
Melaka	1.44	0.35	1.13	1.25	59.55	0.00	0.00	0.38	64.10
Johor	598.79	68.97	219.65	450.80	1,747.36	0.00	0.00	107.05	3,192.62
Pahang	6.74	0.00	1.09	1.50	2,010.15	0.00	0.00	0.00	2,019.48
Terengganu	16.42	0.15	0.00	0.00	169.29	2.35	6.17	0.21	194.59
Kelantan	10.00	0.00	0.00	0.00	63.02	0.00	2.52	0.00	75.54
Sarawak	12.70	0.00	0.00	0.00	1,635.18	11.35	17.64	0.00	1,676.87
Sabah	0.00	0.00	0.00	0.00	1,843.06	0.00	0.00	0.00	1,843.06
Jumlah/Total	989.38	70.23	221.87	454.30	11,733.05	29.27	36.83	107.64	13,642.57

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

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

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE ' 000)

Negeri State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	2,410.00	36.00	1.59	0.00	2,447.59
Kedah	422.12	5.06	0.00	3.85	12,670.03	9.53	0.00	0.00	13,110.59
Pulau Pinang	962.05	8.25	0.00	0.00	4,586.42	81.08	0.00	0.00	5,637.80
Perak	645.21	5.27	0.00	0.00	54,618.43	49.36	0.00	0.00	55,318.27
Selangor	1,939.76	0.00	0.00	7.00	30,531.07	0.00	1.07	0.00	32,478.90
Negeri Sembilan	11.05	0.00	0.00	0.00	5,666.63	0.00	37.50	0.00	5,715.18
Melaka	15.48	5.60	14.41	43.75	1,726.95	0.00	0.00	6.46	1,812.65
Johor	7,766.31	1,870.47	2,956.49	14,538.30	49,904.60	0.00	0.00	1,861.60	78,897.77
Pahang	69.09	0.00	10.90	52.50	60,304.50	0.00	0.00	0.00	60,436.99
Terengganu	169.29	3.55	0.00	0.00	3,506.00	16.05	29.49	0.63	3,725.01
Kelantan	100.50	0.00	0.00	0.00	1,506.81	0.00	14.97	0.00	1,622.28
Sarawak	127.00	0.00	0.00	0.00	49,055.40	99.65	105.84	0.00	49,387.89
Sabah	0.00	0.00	0.00	0.00	51,605.68	0.00	0.00	0.00	51,605.68
Jumlah/Total	12,227.86	1,898.20	2,981.80	14,645.40	328,092.52	291.67	190.46	1,868.69	362,196.60

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

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

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	3,133.00	48.00	2.40	0.00	3,183.40
Kedah	529.52	5.90	0.00	5.50	15,047.68	17.78	0.00	0.00	15,606.38
Pulau Pinang	1,259.32	9.88	0.00	0.00	5,723.40	93.17	0.00	0.00	7,085.77
Perak	803.57	6.13	0.00	0.00	66,707.57	62.35	0.00	0.00	67,579.62
Selangor	2,300.28	0.00	0.00	9.60	34,850.85	0.00	1.35	0.00	37,162.08
Negeri Sembilan	12.75	0.00	0.00	0.00	6,520.07	0.00	50.00	0.00	6,582.82
Melaka	18.12	6.30	17.05	47.50	1,824.61	0.00	0.00	7.60	1,921.18
Johor	9,945.90	2,358.77	3,824.11	17,053.76	58,851.08	0.00	0.00	2,224.50	94,258.12
Pahang	97.19	0.00	13.08	67.50	80,406.00	0.00	0.00	0.00	80,583.77
Terengganu	204.92	4.00	0.00	0.00	4,076.50	20.87	37.02	0.84	4,344.15
Kelantan	121.40	0.00	0.00	0.00	1,692.72	0.00	17.67	0.00	1,831.79
Sarawak	190.50	0.00	0.00	0.00	58,866.48	158.90	141.12	0.00	59,357.00
Sabah	0.00	0.00	0.00	0.00	58,977.92	0.00	0.00	0.00	58,977.92
Jumlah/Total	15,483.47	2,390.98	3,854.24	17,183.86	396,677.88	401.07	249.56	2,232.94	438,474.00

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

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

JADUAL(TABLE) 21.1

MALAYSIA
 BILANGAN DAN LUAS SANGKAR AIRPAYAU YANG DIUSAHAKAN
 SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
 NUMBER AND AREA OF BRACKISHWATER CAGES IN OPERATION AND
 NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Sangkar Airpayau Brackishwater Cages		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	100	250.00	0	2	0	0	2
Kedah	3,322	37,323.34	98	21	0	3	122
Pulau Pinang	26,783	246,608.00	123	221	7	4	355
Perak	16,600	143,000.00	7	152	0	0	159
Selangor	6,739	114,083.79	2	31	0	0	33
Negeri Sembilan	15	140.00	1	0	0	0	1
Melaka	163	4,142.12	1	1	0	1	3
Johor	6,001	134,457.32	73	98	2	4	177
Pahang	36	324.00	11	1	0	0	12
Terengganu	1002	11,404.18	80	1	0	0	81
Kelantan	909	28,070.90	124	1	0	0	125
Sarawak	858	8,273.50	142	0	0	0	142
Sabah	1,613	55,161.11	0	12	0	235	247
Jumlah/Total	64,141	783,238.26	662	541	9	247	1,459

MALAYSIA
 ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN,1999
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND FISH SPECIES, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Siakap Barramundi	Siakap Merah Mangrove Red Snapper	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Ketam Telur Berried Crabs	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.00	0.00	49.50
Kedah	92.86	0.00	87.77	23.01	0.92	0.00	0.00	0.00	0.00	0.00	0.76	205.32
Pulau Pinang	552.21	527.91	96.78	52.19	0.00	0.00	0.00	12.09	6.24	0.00	0.00	1,247.42
Perak	274.04	123.70	47.24	147.30	0.00	0.00	0.00	79.29	0.00	7.85	19.30	698.72
Selangor	246.43	1,419.34	8.59	113.01	84.35	0.00	0.00	0.00	0.00	0.00	191.47	2,063.19
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60
Johor	684.61	0.00	177.09	744.73	88.60	0.00	0.00	6.59	0.00	1.10	215.67	1,918.39
Pahang	5.28	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	1.13	0.00	6.49
Terengganu	76.73	0.00	2.87	0.00	0.00	0.00	0.00	0.00	0.00	34.43	3.89	117.92
Kelantan	115.88	0.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	14.21	0.00	137.29
Sarawak	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	45.30
Sabah	57.54	0.00	450.60	12.52	0.00	0.00	0.00	4.32	0.00	0.00	17.87	542.85
Jumlah/Total	2,149.18	2,070.95	878.14	1,092.76	173.95	0.00	0.00	151.79	6.24	58.72	452.26	7,033.99

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

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

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1999
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah Mangrove <i>Red Snapper</i>	Kerapu <i>Grouper</i>	Jenahak Mangrove Snapper	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau Tiger Prawn	Ketam <i>Mud Crab</i>	Ketam Telur Berried Crabs	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	594.00	0.00	0.00	0.00	594.00
Kedah	996.39	0.00	1,930.94	300.97	7.36	0.00	0.00	0.00	0.00	0.00	3.80	3,239.46
Pulau Pinang	5,897.60	4,381.65	2,419.50	688.39	0.00	0.00	0.00	127.31	71.70	0.00	0.00	13,586.15
Perak	3,304.92	1,306.27	1,246.19	2,023.90	0.00	0.00	0.00	1,087.07	0.00	27.48	92.06	9,087.89
Selangor	2,996.59	10,332.80	165.79	1,332.39	1,100.77	0.00	0.00	0.00	0.00	0.00	2,780.14	18,708.48
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.20
Johor	8,879.39	0.00	4,802.68	10,024.07	1,229.77	0.00	0.00	80.73	0.00	5.71	3,750.50	28,772.85
Pahang	54.12	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.00	5.65	0.00	60.58
Terengganu	791.09	0.00	67.85	0.00	0.00	0.00	0.00	0.00	0.00	164.58	11.67	1,035.19
Kelantan	1,164.59	0.00	131.54	0.00	0.00	0.00	0.00	0.00	0.00	84.41	0.00	1,380.54
Sarawak	420.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.80	439.80
Sabah	345.24	0.00	3,604.80	50.08	0.00	0.00	0.00	17.28	0.00	0.00	71.48	4,088.88
Jumlah/Total	24,867.13	16,020.72	14,369.29	14,419.80	2,338.71	0.00	0.00	1,906.39	71.70	287.83	6,729.45	81,011.02

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

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

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN,1999
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND FISH SPECIES, 1999
 (NILAI DALAM RM ' 000/VALUE IN RM ' 000)

Negeri State	Siakap Barramundi	Siakap Merah Mangrove Red Snapper	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Ketam Telur Berried Crabs	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	792.00	0.00	0.00	0.00	792.00
Kedah	1,249.90	0.00	2,253.06	362.41	9.20	0.00	0.00	0.00	0.00	0.00	4.56	3,879.13
Pulau Pinang	7,719.90	5,294.94	2,897.59	797.46	0.00	0.00	0.00	146.29	120.24	0.00	0.00	16,976.42
Perak	4,116.08	1,731.80	1,448.85	2,411.30	0.00	0.00	0.00	1,373.30	0.00	41.21	122.56	11,245.10
Selangor	3,553.52	13,171.48	194.05	1,657.86	1,248.38	0.00	0.00	0.00	0.00	0.00	3,143.94	22,969.23
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	20.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.13
Johor	11,371.37	0.00	6,056.48	12,965.75	1,624.04	0.00	0.00	103.27	0.00	6.74	4,481.62	36,609.27
Pahang	76.14	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	6.78	0.00	83.99
Terengganu	957.59	0.00	76.51	0.00	0.00	0.00	0.00	0.00	0.00	206.58	15.56	1,256.24
Kelantan	1,406.78	0.00	146.23	0.00	0.00	0.00	0.00	0.00	0.00	99.61	0.00	1,652.62
Sarawak	630.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.40	656.40
Sabah	517.86	0.00	5,407.20	75.12	0.00	0.00	0.00	25.92	0.00	0.00	107.22	6,133.32
Jumlah/Total	31,619.27	20,198.22	18,479.97	18,269.90	2,882.69	0.00	0.00	2,440.78	120.24	360.92	7,901.86	102,273.85

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

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

JADUAL(TABLE) 22.1

MALAYSIA
BILANGAN DAN LUAS KAWASAN TERNAKAN KERANG
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
NUMBER AND AREA OF COCKLE CULTURE AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Ternakan Kerang <i>Cockle culture</i>		Bilangan Penternak <i>No. Of Culturists</i>				
	Bilangan <i>Number</i>	Luas (Ha) <i>Area(Ha)</i>	Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
Perlis	0	0.00	0	0	0	0	0
Kedah	3	38.91	1	0	0	1	2
Pulau Pinang	63	800.00	2	27	0	22	51
Perak	209	3,258.57	24	132	0	23	179
Selangor	24	954.07	16	2	0	6	24
Negeri Sembilan	0	0.00	0	0	0	0	0
Melaka	9	8.00	9	0	0	0	9
Johor	1	129.67	2	2	0	0	4
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	309	5,189.22	54	163	0	52	269

JADUAL(TABLE) 22.2

MALAYSIA
 PENGELUARAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI, 1999
 PRODUCTION OF COCKLES BY MONTH AND STATE, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	29.66	17.35	0.00	0.00	0.00	0.00	0.00	0.00	46.30	26.02	21.60	54.00	194.93
Pulau Pinang	2,362.20	1,457.92	1,448.43	908.53	950.39	911.50	941.80	843.75	731.37	1,125.61	1,163.36	1,140.57	13,985.43
Perak	5,931.65	4,525.76	5,234.24	4,755.94	4,738.58	4,601.12	4,471.89	4,498.62	4,467.80	4,162.36	4,256.72	4,387.23	56,031.91
Selangor	975.54	521.12	504.83	809.02	676.16	770.00	735.36	782.20	797.71	946.85	825.57	1,277.24	9,621.60
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	4.00	3.00	8.00	4.00	4.00	2.00	3.00	5.00	2.50	5.00	4.00	6.00	50.50
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.48
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	1.24	1.19	1.22	1.06	0.95	0.67	0.87	0.00	1.04	8.04	5.13	5.95	27.36
Jumlah/Total	9,304.29	6,526.34	7,196.72	6,478.55	6,370.08	6,285.29	6,152.92	6,129.57	6,046.72	6,273.88	6,276.38	6,871.47	79,912.21

JADUAL (TABLE) 22.3

MALAYSIA
PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI, 1999
PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE, 1999
(KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pulau Pinang	50.40	37.16	153.17	89.35	50.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	380.59
Perak	0.00	241.50	376.09	41.91	100.65	109.79	0.00	40.97	0.00	0.00	0.00	0.00	910.91
Selangor	0.00	213.72	814.90	304.92	275.53	337.02	200.46	0.00	0.00	192.48	1,192.94	738.33	4,270.30
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	157.01	61.39	0.00	0.00	0.00	0.00	0.00	218.40
Johor	0.00	0.00	0.00	0.00	0.00	0.00	283.84	127.68	4.24	4.98	0.00	0.00	420.74
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	50.40	492.38	1,344.16	436.18	426.69	603.82	545.69	168.65	4.24	197.46	1,192.94	738.33	6,200.94

JADUAL(TABLE) 23.1

MALAYSIA
 BILANGAN DAN LUAS KAWASAN TERNAKAN SIPUT SUDU
 SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
 NUMBER AND AREA OF MUSSEL CULTURE AND
 NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Ternakan Siput Sudu Mussel culture		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	8	1,469.10	4	0	0	0	4
Pulau Pinang	0	0.00	0	0	0	0	0
Perak	1	440.00	1	0	0	0	1
Selangor	0	0.00	0	0	0	0	0
Negeri Sembilan	29	4,981.21	25	4	0	0	29
Melaka	43	10,638.62	41	4	0	1	46
Johor	300	56,464.82	51	15	0	3	69
Pahang	4	1,000.00	2	0	0	0	2
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	119	2,479.86	0	0	0	119	119
Jumlah/Total	504	77,473.61	124	23	0	123	270

JADUAL(TABLE) 23.2

MALAYSIA
 PENGELUARAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI, 1999
 PRODUCTION OF MUSSELS BY MONTH AND STATE, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	1.50	1.41	0.63	0.86	0.45	0.66	0.86	0.81	0.81	0.99	0.99	1.88	11.85
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	4.00
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	1.35	0.55	1.55	0.00	3.90	1.90	0.80	1.70	2.30	1.50	2.40	1.70	19.65
Melaka	21.50	13.85	21.15	19.53	28.05	25.70	29.40	29.69	33.96	32.86	40.71	32.89	329.29
Johor	106.47	287.52	312.50	324.03	999.20	640.95	694.77	698.80	738.78	1,634.77	1,494.08	1,434.89	9,366.76
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	2.80	2.84	1.88	3.76	2.82	2.50	3.14	2.60	2.66	2.50	2.76	2.63	32.89
Jumlah/Total	133.62	306.17	337.71	348.18	1,034.42	671.71	728.97	733.60	782.51	1,672.62	1,540.94	1,473.99	9,764.44

JADUAL(TABLE) 24.1

MALAYSIA
 BILANGAN DAN LUAS KAWASAN TERNAKAN TIRAM
 SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1999
 NUMBER AND AREA OF OYSTER CULTURE AND
 NUMBER OF CULTURISTS BY RACE AND STATE, 1999

Negeri State	Ternakan Tiram Oyster culture		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M ²) Area(M ²)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	34	2,458.32	2	0	0	0	2
Pulau Pinang	20	300.00	1	0	0	0	1
Perak	0	0.00	0	0	0	0	0
Selangor	0	0.00	0	0	0	0	0
Negeri Sembilan	0	0.00	0	0	0	0	0
Melaka	0	0.00	0	0	0	0	0
Johor	7	7,000.00	10	0	0	0	10
Pahang	0	0.00	0	0	0	0	0
Terengganu	82	19,555.32	26	0	0	0	26
Kelantan	34	1,823.52	9	0	0	0	9
Sarawak	0	0.00	0	0	0	0	0
Sabah	130	60,370.42	0	0	0	130	130
Jumlah/Total	307	91,507.58	48	0	0	130	178

JADUAL (TABLE) 24.2

MALAYSIA
 PENGELUARAN TIRAM MENGIKUT BULAN DAN NEGERI, 1999
 PRODUCTION OF OYSTER BY MONTH AND STATE, 1999
 (KUANTITI DALAM TAN METRIK/QUANTITY IN TONNES)

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.57	0.53	0.53	0.63	0.67	0.70	0.67	0.73	0.71	0.93	1.03	1.17	8.87
Pulau Pinang	0.60	0.45	0.65	0.55	0.45	0.63	0.58	0.50	0.60	0.65	0.65	0.63	6.94
Perak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.26	0.39	0.63	0.60	0.50	0.48	0.39	0.41	0.26	0.39	0.26	0.41	4.98
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	3.10	3.16	3.11	3.07	3.05	9.26	8.60	8.83	8.77	8.57	8.10	10.25	77.87
Kelantan	0.00	0.05	0.06	0.07	0.06	1.70	0.15	0.38	0.00	0.50	0.25	2.08	5.30
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	8.01	8.05	7.80	8.26	8.02	7.99	8.07	7.49	6.98	8.01	7.49	7.50	93.67
Jumlah/Total	12.54	12.63	12.78	13.18	12.75	20.76	18.46	18.34	17.32	19.05	17.78	22.04	197.63

JADUAL (TABLE) 25.1

MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 1999
WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 1999
(RM/KG)

Jenis/Negeri Species/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 Fresh- water Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant Snake- Head	Baung River Catfish	Pelbagai Miscell- aneous
Perlis	3.00	3.00	0.00	0.00	15.00	3.50	4.00	5.76	3.00	0.00	0.00	6.00	0.00	0.00	3.00
Kedah	3.92	4.63	4.75	3.46	20.00	3.58	3.83	8.71	3.00	15.58	0.00	8.40	0.00	6.88	3.13
Pulau Pinang	3.91	2.70	0.00	0.00	23.67	3.14	3.93	0.00	2.72	0.00	0.00	0.00	0.00	0.00	4.29
Perak	4.11	4.00	4.40	2.51	27.69	2.96	3.68	6.05	3.04	42.62	0.00	3.64	2.77	8.09	2.13
Selangor	5.42	4.00	4.63	2.71	24.18	3.34	4.61	6.81	3.35	47.82	0.00	2.52	8.32	8.73	3.15
Negeri Sembilan	3.80	3.94	4.08	2.80	29.15	3.18	3.69	4.95	3.22	30.85	0.00	3.25	0.00	8.59	2.50
Melaka	3.68	4.40	3.65	2.22	24.21	3.27	4.24	4.30	2.88	31.00	0.00	2.70	0.00	8.73	4.91
Johor	3.69	4.70	6.50	8.00	23.40	3.47	4.36	7.34	3.09	44.97	0.00	3.91	6.76	9.65	4.74
Pahang	5.27	4.68	4.75	5.13	21.91	3.00	4.23	13.50	3.50	34.64	28.52	7.91	5.92	12.82	4.27
Terengganu	4.39	4.40	4.90	4.78	16.71	4.30	4.52	6.92	4.08	26.96	0.00	5.99	3.83	7.45	2.97
Kelantan	5.12	5.48	5.74	4.62	16.25	4.29	4.65	7.92	3.99	25.34	0.00	4.56	4.42	8.57	4.22
Sarawak	6.00	6.00	5.00	5.00	20.00	4.50	4.50	6.00	6.00	0.00	0.00	5.00	0.00	0.00	6.50
Sabah	8.00	10.00	10.00	12.00	8.00	8.00	8.00	13.00	5.00	30.00	0.00	8.00	0.00	0.00	0.00
Harga Bertimbang Weighted price	4.99	6.41	4.71	2.63	23.37	6.27	4.70	6.67	3.26	35.35	28.52	6.23	6.74	8.34	3.97

Nota: Pelbagai - Termasuk ikan Haruan dan Sepat Siam

Note: Miscellaneous - Includes Snake Head, and Snakeskin Gouramy

JADUAL (TABLE) 25.2

MALAYSIA
HARGA RUNCIT IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 1999
RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 1999
(RM/KG)

Jenis/Negeri Species/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 Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Fresh- water Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant Snake- Head	Baung River Catfish	Pelbagai Miscell- aneous
Perlis	4.50	4.50	0.00	0.00	20.00	4.50	5.00	8.00	4.00	0.00	0.00	7.00	0.00	0.00	4.00
Kedah	5.29	6.88	7.21	4.50	24.58	4.75	5.13	11.96	4.95	29.33	0.00	11.20	0.00	9.46	4.13
Pulau Pinang	5.28	3.00	0.00	0.00	31.61	4.01	5.40	0.00	4.75	0.00	0.00	0.00	0.00	0.00	5.97
Perak	5.82	6.02	6.59	4.13	34.64	4.48	5.33	8.65	4.66	54.86	0.00	5.80	4.06	10.97	3.67
Selangor	7.04	6.38	6.21	3.99	28.85	4.55	6.16	9.04	4.81	58.72	0.00	4.17	9.46	11.50	5.19
Negeri Sembilan	6.31	6.40	6.13	5.12	36.03	5.27	6.08	8.54	5.97	42.75	0.00	5.60	0.00	12.48	4.49
Melaka	5.26	5.65	4.99	2.91	29.29	4.28	5.49	5.56	4.58	42.90	0.00	4.39	0.00	11.38	7.63
Johor	5.36	6.88	7.50	9.00	27.82	5.56	6.13	8.80	4.91	53.78	0.00	6.02	8.99	12.66	6.10
Pahang	6.33	6.25	6.58	7.25	25.42	4.50	5.17	16.75	6.00	38.42	38.03	9.08	7.75	14.67	5.50
Terengganu	5.47	5.87	6.30	5.88	22.06	5.79	5.93	8.57	5.64	32.33	0.00	8.09	5.40	10.36	4.73
Kelantan	6.56	7.27	7.64	5.79	19.89	5.71	6.09	10.28	5.71	30.65	0.00	6.08	5.71	10.77	5.61
Sarawak	8.50	8.50	8.00	8.00	20.00	8.50	8.50	9.00	7.50	0.00	0.00	8.80	0.00	0.00	11.50
Sabah	10.00	12.00	12.00	14.00	16.00	10.00	10.00	15.00	6.00	35.00	0.00	10.00	0.00	0.00	0.00
Harga Bertimbang Weighted price	6.78	8.44	6.74	4.26	27.66	8.07	6.41	9.40	4.90	41.06	38.03	7.94	8.96	11.20	5.38

Nota: Pelbagai - Termasuk ikan Haruan dan Sepat Siam

Note: Miscellaneous - Includes Snake Head, and Snakeskin Gouramy

JADUAL (TABLE) 26.1

MALAYSIA
HARGA BORONG IKAN AIRPAYAU/MASIN DI PASAR - PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 1999
WHOLESALE PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 1999
(RM/KG)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah <i>Mangrove Red Snapper</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Ketam <i>Mud Crab</i>	Ketam Telur <i>Berried Crabs</i>	Udang Harimau <i>Tiger Prawn</i>	Kerang <i>Cockles</i>	Siput Sudu <i>Mussels</i>	Tilapia Merah <i>Red Tilapia</i>	Tiram <i>Oyster</i>	Rumpai Laut <i>Sea- Weeds</i>	Pelbagai <i>Miscell- aneous</i>
Perlis	10.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	20.00	0.00	0.00	5.29	0.00	0.00	0.00
Kedah	10.73	0.00	22.00	13.08	0.00	7.00	7.50	0.00	23.50	0.75	1.13	0.00	12.50	0.00	5.00
Pulau Pinang	10.68	8.30	25.00	13.19	0.00	0.00	10.53	11.49	22.63	0.70	0.00	4.02	15.00	0.00	0.00
Perak	12.06	10.56	26.38	13.74	0.00	0.00	13.71	0.00	27.65	0.80	2.00	0.00	0.00	0.00	4.77
Selangor	12.16	7.28	19.30	11.79	13.05	35.00	13.96	0.00	26.08	0.73	1.20	5.34	0.00	0.00	14.52
Negeri Sembilan	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.75	0.00	1.23	3.75	0.00	0.00	0.00
Melaka	10.75	0.00	16.00	12.75	0.00	35.00	0.00	0.00	29.00	1.00	0.80	0.00	0.00	0.00	17.00
Johor	12.97	0.00	27.12	13.46	13.88	32.25	12.25	0.00	28.56	0.65	0.45	5.19	15.17	0.00	17.39
Pahang	10.25	0.00	17.00	10.00	10.14	35.00	7.83	0.00	30.00	0.96	0.00	5.00	0.00	0.00	0.00
Terengganu	10.31	0.00	23.64	0.00	0.00	28.86	6.83	0.00	20.71	0.00	0.00	4.78	11.35	0.00	3.00
Kelantan	10.05	0.00	18.27	10.00	8.67	30.91	6.71	0.00	23.91	0.00	0.00	5.94	7.64	0.00	0.00
Sarawak	10.00	0.00	7.90	6.35	6.45	17.00	3.78	0.00	30.00	0.00	0.00	6.00	0.00	0.00	6.00
Sabah	6.00	0.00	8.00	4.00	5.50	9.00	4.00	0.00	28.00	2.00	1.50	0.00	2.00	0.55	4.00
Harga Bertimbang <i>Weighted price</i>	11.82	7.74	17.15	13.24	13.44	32.24	12.14	11.49	27.97	0.77	0.47	5.00	7.09	0.55	15.36

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

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

MALAYSIA
HARGA RUNCIT IKAN AIRPAYAU/MASIN DI PASAR - PASAR UTAMA MENGIKUT
NEGERI DAN SPESIS IKAN, 1999
RETAIL PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 1999
(RM/KG)

Negeri State	Siakap <i>Barramundi</i>	Siakap Merah Mangrove <i>Red Snapper</i>	Kerapu Grouper	Jenahak Mangrove Snapper	Merah <i>Red Snapper</i>	Udang Putih Banana Prawn	Ketam Mud Crab	Ketam Telur Berried Crabs	Udang Harimau Tiger Prawn	Kerang Cockles	Siput Sudu Mussels	Tilapia Merah <i>Red Tilapia</i>	Tiram Oyster	Rumpai Laut Sea- Weeds	Pelbagai <i>Miscell- neous</i>
Perlis	12.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	26.00	0.00	0.00	8.00	0.00	0.00	0.00
Kedah	13.46	0.00	25.67	15.75	0.00	10.00	14.00	0.00	27.91	1.20	1.72	0.00	18.75	0.00	6.00
Pulau Pinang	13.98	10.03	29.94	15.28	0.00	0.00	12.10	19.27	28.24	0.80	0.00	6.07	15.00	0.00	0.00
Perak	15.02	14.00	30.67	16.37	0.00	0.00	17.32	0.00	33.77	1.29	2.50	0.00	0.00	0.00	6.35
Selangor	14.42	9.28	22.59	14.67	14.80	48.00	16.08	0.00	29.77	1.18	1.55	6.74	0.00	0.00	16.42
Negeri Sembilan	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.08	0.00	1.50	5.00	0.00	0.00	0.00
Melaka	12.58	0.00	18.00	15.09	0.00	38.00	0.00	0.00	30.64	1.20	1.05	0.00	0.00	0.00	20.00
Johor	16.61	0.00	34.20	17.41	18.33	37.83	15.67	0.00	33.68	1.50	0.75	6.13	17.58	0.00	20.78
Pahang	14.42	0.00	22.00	12.00	13.43	45.00	11.75	0.00	40.00	1.20	0.00	6.00	0.00	0.00	0.00
Terengganu	12.48	0.00	26.66	0.00	0.00	34.06	8.88	0.00	24.08	0.00	0.00	6.00	13.10	0.00	4.00
Kelantan	12.14	0.00	20.31	12.00	12.00	32.82	8.29	0.00	26.86	0.00	0.00	7.01	9.60	0.00	0.00
Sarawak	15.00	0.00	8.00	8.00	8.00	22.00	14.00	0.00	36.00	0.00	0.00	8.00	0.00	0.00	8.00
Sabah	9.00	0.00	12.00	6.00	9.00	13.00	6.00	0.00	32.00	3.00	2.00	0.00	2.50	0.55	6.00
Harga Bertimbang Weighted price	15.01	9.75	22.01	16.83	16.57	37.82	15.70	19.27	33.81	1.19	0.77	6.39	8.42	0.55	18.10

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

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

JADUAL(TABLE) 27.1

MALAYSIA
 PENGELUARAN IKAN HIASAN MENGIKUT NEGERI 1999
 PRODUCTION OF ORNAMENTAL FISH BY STATE, 1999
 (BILANGAN DALAM EKOR/NUMBER IN PIECES)

Negeri/Kumpulan State/Group	Cyprinids Barb/Daino/ Goldfish/Koi	Cyprinodontids	Anabantids	Poeciliids	Characins	Cichlid	Osteoglossids	Callichthyids	Cobitids	Aquatic Plants	Lain Lain Others	Jumlah Total
Perlis	0	0	0	0	0	0	0	0	0	0	0	0
Kedah	0	0	0	14,220	0	0	0	0	0	0	0	14,220
Pulau Pinang	71,562	0	2,824	112,348	21,389	3,576,002	4,942	0	0	0	66,869	3,855,936
Perak	42,473,239	121,142	8,385,295	12,975,118	48,855	6,961,267	871	20,056	40,498	0	174,144	71,200,485
Selangor	3,180,218	1,993,676	0	1,254,032	549,941	6,107	0	0	0	0	588,826	7,572,800
Negeri Sembilan	23,500	0	0	7,400	350	0	0	0	0	0	0	31,250
Melaka	42,200	0	14,500	78,000	12,300	11,300	0	0	0	0	500	158,800
Johor	51,889,471	312,403	24,638,835	88,738,340	30,004,378	11,789,578	40,807	0	1,934,773	47,061,845	1,160,834	257,571,264
Pahang	0	0	0	0	0	0	0	0	0	0	0	0
Terengganu	0	0	0	0	0	0	0	0	0	0	0	0
Kelantan	15,000	0	0	3,801	0	0	0	0	0	0	100	18,901
Sarawak	0	0	0	0	0	0	0	0	0	0	0	0
Sabah	13,600	0	64	1,954	0	350	0	0	0	97		16,065
Jumlah/Total	97,708,790	2,427,221	33,041,518	103,185,213	30,637,213	22,344,604	46,620	20,056	1,975,271	47,061,942	1,991,273	340,439,721

JADUAL(TABLE) 27.2

MALAYSIA
PENGELUARAN DAN NILAI IKAN HIASAN MENGIKUT NEGERI, 1999
PRODUCTION AND VALUE OF ORNAMENTAL FISH BY STATE, 1999
(BILANGAN DALAM EKOR/NUMBER IN PIECES)

Negeri State	Pengeluaran (Ekor) Production (Pieces)	Nilai (RM) Value (RM)
Perlis	0	0.00
Kedah	14,220	2,794.00
Pulau Pinang	3,855,936	3,499,199.00
Perak	71,200,485	15,110,239.00
Selangor	7,572,800	1,414,229.00
Negeri Sembilan	31,250	3,316.00
Melaka	158,800	31,439.00
Johor	257,571,264	60,076,248.00
Pahang	0	0.00
Terengganu	0	0.00
Kelantan	18,901	3,685.00
Sarawak	0	0.00
Sabah	16,065	87,605.00
Jumlah/Total	340,439,721	80,228,754.00

JADUAL(TABLE) 28.1

MALAYSIA
 BILANGAN DAN PENGELUARAN PUSAT PENGELUARAN BENIH IKAN/UDANG SWASTA
 MENGIKUT NEGERI, 1999
 NUMBER AND PRODUCTION OF PRIVATE FISH/PRAWN FRY HATCHERY CENTRES
 BY STATE, 1999

Negeri State	Bilangan Numbers	Pengeluaran (Juta Ekor) Production (Million Pieces)	
		Benih Udang Prawn Fry	Benih Ikan Fish Fry
Perlis	0	0.00	0.00
Kedah	18	639.50	23.40
Pulau Pinang	15	241.00	2.67
Perak	37	331.25	18.19
Selangor	30	108.00	167.28
Negeri Sembilan	9	3.39	4.74
Melaka	13	1.95	40.42
Johor	16	421.76	1.77
Pahang	7	1.02	4.94
Terengganu	2	0.00	0.00
Kelantan	4	0.00	0.20
Sarawak	11	239.30	0.00
Sabah	27	234.80	0.04
Jumlah/Total	189	2,221.97	263.65

JADUAL (TABLE) 29.1

MALAYSIA
 BILANGAN DAN PENGELUARAN KILANG "FEEDMILL"
 MENGIKUT NEGERI, 1999
 NUMBER AND PRODUCTION OF FEEDMILLS
 BY STATE, 1999

Negeri State	Bilangan Number	Pengeluaran (Tan metrik) Production (Tonnes)
Perlis	1	216.00
Kedah	4	5,400.00
Pulau Pinang	0	0.00
Perak	6	18,964.00
Selangor	3	9,000.00
Negeri Sembilan	0	0.00
Melaka	4	6,574.00
Johor	3	7,989.20
Pahang	2	2,073.92
Terengganu	0	0.00
Kelantan	0	0.00
Sarawak	3	3,327.45
Sabah	6	13,865.61
Jumlah/Total	32	67,410.18