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ASEAN INDUSTRY IN FIGURES

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5

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Explanatory notes

Unless otherwise indicated, "manufacturing" includes the industry groups listed under major division 3 in the International Standard Industrial Classification of All Economic Activities (United Nations publication, Sales No. E.68.XVII.8).

International Standard Industrial Classification of All Economic Activities (ISIC) code numbers are accompanied by a descriptive title (for example, ISIC 323: "Manufacture of leather and products of leather, leather substitutes and fur, except footwear and wearing apparel"). For considerations of space, however, the description is sometimes shortened (that is, ISIC 323 may be described simply as "Leather and fur product"). For the same reason, the descriptive titles of code numbers of the Standard International Trade Classification (United Nations publication, Sales No. E.61.XVII.6) and the names of countries and country groups are sometimes shortened.

The German Democratic Republic and the Federal Republic of Germany with effect from 3 October 1990, have united to form one sovereign state. The People's Democratic Republic of Yemen and the Yemen Arab Republic were merged into a single sovereign state called the Republic of Yemen on 22 May 1990. The data presented in this publication relate to periods before 1990 and thus refer to these four countries separately.

References to dollars (\$) are to United States dollars. For production and wages data, national currencies have been converted to dollar equivalents by using exchange rates as published in International Financial Statistics (International Monetary Fund publication). The data on international trade have been presented in dollar terms by using the exchange rates published in Commodity Trade Statistics (United Nations publication).

Data converted to dollars by using current exchange rates are of course influenced by fluctuations in exchange rates. Annual variations of data converted in that manner may not reflect movements in the national currency data.

Periods set off by a hyphen (for instance, 1980-1989) include the beginning and end years.

Apparent arithmetical discrepancies, such as percentages that do not add up to totals, result from the rounding of basic data or figures known to different degrees of precision.

Three dots (...) indicate that data are not available or are not separately reported.

Two dots (..) indicate that data are not applicable.

A dash (-) indicates that an amount is nil or negligible.

The letter "x" designates the item applicable to a country when several options exist.

The following abbreviations are used:

ASEAN	Association of South-East Asian Nations
DCs	developing countries
DEM	dynamic exporters of manufactures as a subgroup of developing countries
EC	European Community
GDP	gross domestic product
ILO	International Labour Office
ISIC	International Standard Industrial Classification of All Economic Activities
MVA	manufacturing value added
n.e.c.	not elsewhere classified
n.e.s.	not elsewhere specified
OECD	Organization for Economic Co-operation and Development
RCA	revealed comparative advantage
R & D	research and development
SITC	Standard International Trade Classification, Revised
UNIDO	United Nations Industrial Development Organization
UNSO	Statistical Office of the United Nations Secretariat

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INTRODUCTION

The present publication "ASEAN Industry in Figures" focuses on the member countries of the Association of South East Asian Nations (ASEAN). ASEAN includes the following countries: Brunei Darussalam, Indonesia, Malaysia, the Philippines, Singapore and Thailand. In this publication, however, Brunei Darussalam could not be taken into account due to the scarcity of data. All five remaining countries belong to a group of developing countries that have recorded extraordinarily high rates of growth for manufactured exports over the 1970s¹. In this publication this group will be referred to as dynamic exporters of manufactures (DEM).

During the past two decades the member countries of the ASEAN achieved remarkable industrial growth and their economies underwent deep structural changes. The purpose of the present publication is to provide statistical indicators describing these processes. Data are presented for ASEAN countries as a group, for individual ASEAN countries and for other selected country groups and countries in order to facilitate comparison.

While relying largely on readily available data - particularly data compiled by the Statistical Office of the United Nations Secretariat (UNSO) - the presentation of data in ASEAN Industry in Figures is original in three ways. First, the basic data have been accumulated from several sources and have been combined to form indicators such as ratios, growth rates and indices. Second, many of the indicators presented are derived from estimates made by UNIDO to supplement missing data. Third, trade data have been aggregated to make them comparable to production data, the aggregation is described under Sources and methods.

Sources and methods

The source of industrial statistics is the UNIDO database which is composed mainly of data communicated to the United Nations by official national sources and published by UNSO in the Yearbook of Industrial Statistics. To facilitate the comparability of data over time and across countries, they have been supplemented from sources that include industrial censuses, statistics supplied by national and international organizations, as well as estimates by the UNIDO secretariat.²

Manufacturing value added (MVA) is estimated in accordance with the national accounting concept, which represents the net contribution of the manufacturing sector to gross domestic product (GDP). Value added by manufacturing branch and its total (ISIC 3) are taken from the UNIDO database.

¹Industry in the 1980s, Structural Change and Interdependence, UNIDO, ID/331, 1985, p.4.

²The estimation procedures followed by UNIDO are described in "The UNIDO data base: primary sources and data base design" (UNIDO/IS.463) and "Industrial Statistics for research purposes - methodology applied in the development and maintenance of the UNIDO Industrial Statistics Data Base" (UNIDO/PPD.192).

Data on employment come from the ILO Yearbook of Labour Statistics, various volumes, while data on manufacturing employment are taken from the UNIDO database.

The source of the trade data used in this publication is the United Nations trade tapes. In order to be able to present trade data comparable to production data, trade data following the Standard International Trade Classification, Revised (SITC) are reclassified in accordance with the four-digit code of the International Standard Industrial Classification (ISIC), by employing a concordance developed by the Organization for Economic Co-operation and Development (OECD) and, where required, these data are aggregated into the three-digit code of ISIC.

Appendix I to the present introduction gives the groupings of countries as used in this publication. Due to insufficient data, China could not be included in any country grouping or world totals. As a trading partner of the ASEAN countries, data for China are, however, shown in table 22.

Appendix II to this introduction lists the SITC items that correspond to ISIC manufactured goods and classifies them by final use, as well as by research-and-development-intensity (R & D intensity).

Trade figures are presented in this publication in current dollars, national accounts data are shown in constant 1980 dollars. The industrial statistics are presented partly in current and partly in constant dollars.

Average annual growth rates for national accounts data are calculated from the data available for each year of a given period (for example, 1980-1989), using a semi-log regression over time. For industrial statistics and trade data average annual growth rates are calculated as compound growth rates from the first and last years of a period. All growth rates are expressed in percentages.

Trade data not reported by a country are estimated from data reported by trading partners. Due to incomplete reporting from trading partners this is likely to bring about an underestimation, particularly in recent years.

The tables and figures

Tables 1 and 2 show the distribution of GDP by sector of origin for selected country groups and the ASEAN countries respectively. Instead of using data on GDP as a whole GDP is calculated as the sum of the sectoral components.

Table 3 shows the shares of selected country groups in world MVA and in world manufactured exports.

Table 4 shows the GDP per capita and MVA per capita and the average annual growth rates of the per capita data for the ASEAN countries and selected country groups in constant 1980 dollars.

Table 5 shows the shares of the ASEAN countries and selected developing countries from South and East Asia in the total MVA for the developing countries of this region.

Table 6 shows the growth in both total and manufacturing employment for the ASEAN countries, selected country groups and Japan.

Table 7 lists the share of manufacturing in GDP and GDP per capita to show the structural transformation during the period 1965 to 1989 for the ASEAN and selected Asian developing countries. Although for the ASEAN countries these figures are given in tables 2 and 4, they are repeated here and supplemented with data for additional years in order to facilitate a comparison with the selected Asian developing countries.

Figure 1 which is based on the data presented in table 7 shows the patterns of structural transformation with 1965 and 1989 as end points. The data are presented in semi-log form.

Tables 8 and 9 give the ratios of commodity exports and imports (SITC 0-9) to GDP and manufactured exports and imports (SITC 5 to 8, less 68) to total commodity exports and imports for selected countries and country groups and the ASEAN countries respectively.

Table 10 shows the value indices (1981=100), i.e. based on current dollars, of production, imports and exports for selected manufacturing industries defined at the four-digit level of ISIC for the ASEAN countries. The selection of industries was based on a high growth in current values of either production, imports or exports for at least one of the ASEAN countries. Indices were chosen to show the magnitude of growth or decline for the individual ASEAN countries. Since Thailand does not report production data at the four-digit level, Thailand could not be included in this table.

Figure 2 presents in graph form the development of production, imports and exports in current values on the same scale per industry for selected ASEAN countries.

Tables 11 and 12 show the percentage distribution of MVA among the 28 manufacturing branches (i.e. the 28 major groups within division 3 of ISIC), for selected country groups and Japan and for the ASEAN countries, respectively.

It should be noted that some indicators for the Philippines, i.e. distribution of value added among the manufacturing branches (table 12) and the indices of relative specialization (table 15) as well as manufacturing employment by branch (table 16) for the period after 1980, although shown, are not comparable to the earlier period. Up to 1983 the Philippines included data on establishments with one or more persons engaged, as of 1983 only those with more than 10 persons engaged and as of 1987 data for establishments with average monthly sales or receipts of not less than 1 million pesos are included.

Tables 13 and 14 show yearly compound growth rates of value added for the 28 manufacturing branches for selected country groups and Japan and for the ASEAN countries respectively. For the Philippines growth rates for the period after 1980 could not be shown, since data are not comparable to the earlier period, due to changes in data coverage.

Table 15 shows the relative specialization in manufacturing for the ASEAN countries using the formula:

$$((VA_i/VA_{300})_j)/((VA_i)/(VA_{300})_w)$$

where VA_i = value added in branch i , VA_{300} = value added in total manufacturing and subscripts j and w denote country j and world respectively. A figure close to 1.00 means that the branch's importance in a country's manufacturing structure is similar to that of the world aggregate. The higher the figure, the greater the specialization in this branch relative to the world average.

Table 16 shows the percentage distribution of manufacturing employment among the 28 manufacturing branches and the annual growth rates for the ASEAN countries. Growth rates for the Philippines for the period after 1980 could not be shown, since the data are not comparable to the earlier period, due to changes in data coverage. Data for Thailand could not be obtained.

Table 17 shows data for the Asean countries by industry at the four-digit level of ISIC, such as wages and salaries per employee, value added per employee, value added by establishment, value added as a percentage of gross output and wages and salaries as a percentage of value added. The data are presented in current dollars. The number of employees refer in the case of Malaysia to those employed at the end of December of the given year, in the case of Singapore to those employed at 30 June of the reference year, no details on the reference period are given for the other countries. The number of establishments included in the reported data refer in the case of Indonesia to those employing 20 or more workers, for Malaysia to all establishments registered under the Industrial Co-ordination Act of 1975. For the Philippines and Singapore the coverage is establishments with 10 or more workers. Since Thailand does not report production data at the four-digit level, Thailand could not be included in table 17.

Table 18 shows imports and exports of goods and services per capita at constant 1980 prices and the per capita growth rates. These data are presented for the individual ASEAN countries, ASEAN as a group, selected country groups and Japan. In this instance, national accounts data are shown.

Table 19 shows the export trade flow of manufactured goods (SITC 5 to 8, less 68) by origin and destination for selected countries and country groups, as a percentage of total manufactured exports.

Table 20 shows the annual growth rates for exports and imports by manufacturing branch as well as the percentage distribution of exports and imports among the 28 manufacturing branches for the ASEAN countries.

Table 21 shows the main manufactured exports of the ASEAN countries, based on value, at the four-digit level of ISIC for 1989 and a comparison to earlier years.

Table 22 shows the main trading partners of the ASEAN countries in products made in selected manufacturing branches. Country groups used in this table differ from those used in the other tables and are more disaggregated.

The countries included in the relevant country groups are given in Appendix I. By presenting only the most significant trading partners, rather than a fixed number (e.g. the three major partners), this table also gives an indication of the concentration or diversification of trade in the selected manufacturing branches.

Table 23 shows net exports (exports less imports) as a percentage of total trade for the 28 manufacturing branches for the ASEAN countries, where the percentages were calculated as:

$$(X_{ij}-M_{ij})/(X_{ij}+M_{ij})\cdot 100$$

where X_{ij} = exports in branch i by country j, and
 M_{ij} = imports in branch i by country j

Table 24 presents for the ASEAN countries the ratio of the share of branch i in total export for country j over the share of branch i in total export for the world as an indicator of revealed comparative advantage, using the formula:

$$((X_i/X_m))_j/((X_i/X_m)_w)$$

where X = exports and subscripts i, m, j and w denote respectively branch i, total manufacturing, country j and world, where world excludes China.

Tables 25, 26 and 27 present data on trade among the ASEAN countries as a percentage of total exports to world. Three broad groups of manufactures were chosen, i.e. "consumer non-durables", "intermediates" and "capital goods". The selected groups are defined as follows:

consumer non-durables: SITC 541, 61, 666, 821, 831, 84, 851 and 89 less 896.

intermediates: SITC 231 less 2311, 243, 251, 2626, 2627, 2628, 2629, 263, 266, 267, 51, 521, 53, 55, 561, 571, 581, 599, 62, 63, 64, 65, 661, 663, 664, 665, 67 and 68.

capital goods: SITC 69, 7, 812 and 86 less 863.

Table 28 shows selected indicators of self-sufficiency, trade dependence and demand-supply balance concerning the 81 manufacturing industries at the four-digit level of ISIC for the ASEAN countries. Output refers to census output. Apparent consumption is defined as output plus imports less exports. Net exports are exports less imports. Total supply is the sum of output and imports. Since Thailand does not report production data at the four-digit level, Thailand could not be included in this table.

Table 29 shows selected indicators of trade in manufactures by end-use and R & D intensity for the ASEAN countries. A classification by end-use and R & D intensity is given in Appendix II.

Tables 30, 31, 32 and 33 are based on data extracted from publications prepared by or obtained directly from the National Statistical Offices. These data are not available for all the ASEAN countries.

Table 30 shows the number of establishments, grouped by the numbers of workers per establishment, for the 28 manufacturing branches, for those ASEAN countries for which data could be obtained.

Table 31 shows the number of establishments by type of ownership for the 28 manufacturing branches for those ASEAN countries for which data could be obtained.

Table 32 shows additions to fixed assets by type of transaction in current dollars for those ASEAN countries for which data could be obtained. The totals given are the sum of new purchases, second-hand purchases, alterations and improvements, less sales.

Table 33 is based on table 32 and shows additions to fixed assets (sales deducted) per establishment as well as the percentage distribution among the 28 manufacturing branches.

Table 34 shows the annual direct foreign investment in the ASEAN countries. The data shown for 1984 to 1990 refer to approved investment and cover all sectors of the economy for Indonesia, the Philippines and Thailand and the manufacturing sector only for Malaysia and Singapore. For earlier years data could only be obtained for average annual foreign investment. The data are compiled by the Institute of Developing Economies, Japan, from national sources.

APPENDIX I
LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS

(ALL TABLES EXCEPT TABLE 22)

ASEAN	Non-ASEAN Asian developing countries	Non-ASEAN DF	EC	South and East Asian developing countries
Indonesia Malaysia Philippines Singapore Thailand	Bahrain Bangladesh Bhutan Cambodia Cyprus Democratic Yemen Hong Kong India Iran Iraq Jordan Kuwait Lebanon Maldives Mongolia Myanmar Nepal Oman Pakistan Qatar Republic of Korea Saudi Arabia Sri Lanka Syrian Arab Republic Taiwan Province Turkey United Arab Emirates Yemen	Argentina Brazil Colombia Cyprus Hong Kong Jordan Mexico Morocco Peru Republic of Korea Sri Lanka Taiwan Province Tunisia Uruguay	Belgium Denmark France Germany, Federal Rep of Greece Ireland Italy Luxembourg Netherlands Portugal Spain United Kingdom	Bangladesh Bhutan Cambodia Hong Kong India Indonesia Iran Malaysia Maldives Mongolia Myanmar Nepal Pakistan Philippines Republic of Korea Singapore Sri Lanka Taiwan Province Thailand

APPENDIX I
LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS
(FOR TABLE 22 ONLY)

ASEAN	Asian developing	Middle East	EC	Other Europe		
Indonesia Malaysia Philippines Singapore Thailand	Bangladesh Bhutan Cambodia Cyprus Hong Kong India Maldives Mongolia Myanmar Nepal Pakistan Republic of Korea Sri Lanka Taiwan Province Turkey	Bahrain Democratic Yemen Iran Iraq Jordan Kuwait Lebanon Oman Qatar Saudi Arabia Syrian Arab Republic United Arab Emirates Yemen	Belgium Denmark France Germany, Federal Rep of Greece Ireland Italy Luxembourg Netherlands Portugal Spain United Kingdom	Austria Bulgaria Czechoslovakia Finland Germany, Dem Republic Hungary Iceland Norway Poland Romania Sweden Switzerland Yugoslavia		
North America	Central America	South America	Other developed		Africa	
Canada United States	Costa Rica Cuba El Salvador Guatemala Haiti Honduras Mexico Nicaragua Panama Trinidad and Tobago	Argentina Bolivia Brazil Chile Colombia Ecuador Paraguay Peru Surinam Uruguay Venezuela	Israel New Zealand South Africa	Algeria Angola Benin Burkina Faso Burundi Cameroon Central African Rep Chad Congo Côte d'Ivoire Djibouti Egypt Ethiopia Gabon Gambia Ghana Guinea Guinea-Bissau Kenya Liberia	Libyan Arab Rep Malawi Mali Mauritania Morocco Niger Nigeria Rwanda Senegal Sierra Leone Somalia Sudan Togo Tunisia Uganda United Republic of Tanzania Zambia Zaire Zimbabwe	I CO I

APPENDIX II
DEFINITION AND CLASSIFICATION BY END-USE AND R&D INTENSITY OF TRADE IN MANUFACTURES

SITC code	Description	End-use				R & D intensity		
		Mainly consumer non-durables	Mainly supplies and intermediates	Mainly capital goods and consumer durables	Other manufactures	Low	Medium	High
01	Meat and meat preparations				x	x		
02	Dairy products and eggs				x	x		
032	Fish preparations				x	x		
0422	Rice, glazed or polished				x	x		
046	Meal and flour of wheat or of meslin				x	x		
047	Meal and flour of cereals				x	x		
048	Cereal preparations etc				x	x		
052	Dried fruit				x	x		
053	Fruit, preserved and fruit preparations				x	x		
055	Vegetables etc., preserved or prepared				x	x		
06	Sugar, sugar preparations and honey				x	x		
0713	Coffee extracts, essences etc				x	x		
0722	Cocoa powder, unsweetened				x	x		
0723	Cocoa butter and cocoa paste				x	x		
073	Chocolate etc				x	x		
074	Tea and mate				x	x		
081	Feeding-stuff for animals				x	x		
09	Miscellaneous food preparations				x	x		
11	Beverages				x	x		
122	Tobacco manufactures				x	x		
2219	Flour and meal of oil seeds etc				x	x		
231	Crude rubber (incl. synthetic and reclaimed)		x a/			x		
less 2311	less natural rubber							
243	Wood, shaped or simply worked		x a/			x		
251	Pulp and waste paper		x a/			x		
2626	Wool shoddy		x a/			x		
2627	Wool or other animal hair		x a/			x		
2628	Wool tops		x a/			x		
2629	Waste of wool, fleeces		x a/			x		
263	Cotton		x a/			x		
266	Synthetic and regenerated fibres		x			x		
267	Waste materials from textile fabrics		x a/			x		
332	Petroleum products				x	x		
4	Animal and vegetable oils and fats				x	x		
51	Chemical elements and compounds		x					x
521	Mineral tar etc		x				x	
531	Synthetic organic dyestuffs etc		x					x
532	Dyeing and tanning extracts etc		x					x
533	Pigments, paints etc		x				x	
541	Medicinal and pharmaceutical products	x						x
55	Essential oils and perfume materials etc		x				x	
561	Fertilizers, manufactured		x				x	
571	Explosives and pyrotechnic products		x					x

a/ These product groups, together with 'Other manufactures', form the category of semi-processed manufactures

APPENDIX II

(continued)

DEFINITION AND CLASSIFICATION BY END-USE AND R&D INTENSITY OF TRADE IN MANUFACTURES

SITC code	Description	End-use				R & D intensity		
		Mainly consumer non-durables	Mainly supplies and intermediates	Mainly capital goods and consumer durables	Other manufactures	Low	Medium	High
581	Plastic materials etc.		X					
599	Chemical materials and products, n.e.s.		X				X	
61	Leather, leather manufactures etc.	X				X		
62	Rubber manufactures, n.e.s.		X				X	
63	Wood and cork manufactures		X			X		
64	Paper, paperboard and manufactures thereof		X			X		
65	Textile yarn, fabrics etc.		X			X		
66	Non-metallic mineral manufactures, n.e.s.		X			X		
less: 666	less: pottery	X				X		
667	pearls, precious stones etc.					X		
67	Iron and steel		X			X		
68	Non-ferrous metals		X				X	
69	Manufactures of metal, n.e.s.			X		X		
71	Non-electrical machinery			X			X	
less: 7114	less: aircraft engines			X			X	
714	office machines			X			X	
72	Electrical machinery			X			X	
less: 722	less: electric power machinery and switchgear			X			X	
7249	telecommunications equipment, n.e.s.			X			X	
7293	thermionic valves and tubes etc.			X			X	
7295	electrical measuring instruments etc.			X			X	
7297	electron and proton accelerators			X			X	
7299	electrical machinery, n.e.s.			X			X	
731	Railway vehicles			X			X	
732	Road motor vehicles			X			X	
733	Road vehicles other than motor vehicles			X			X	
734	Aircraft			X			X	
735	Ships and boats			X		X		
812	Sanitary, plumbing etc. fixtures and fittings			X		X		
821	Furniture	X				X		
831	Travel goods etc.	X				X		
84	Clothing	X				X		
851	Footwear	X				X		
86	Professional instruments etc.			X			X	
less: 863	less: developed cinematographic film							
891	Musical instruments, sound recorders etc.	X					X	
less: 8912	less: phonograph records etc.	X					X	
892	Printed matter	X				X		
893	Articles of plastic materials, n.e.s.	X					X	
894	Perambulators, toys, games and sporting goods	X				X		
896	Office and stationery supplies, n.e.s.	X					X	
897	Jewellery	X					X	
899	Manufactured articles, n.e.s.	X					X	

TABLE 1 DISTRIBUTION OF GDP BY SECTOR OF ORIGIN, SELECTED COUNTRIES AND COUNTRY GROUPS,
AT CONSTANT 1980 PRICES, 1965, 1975 AND 1989
(Percentage)

Country/country group	Year	Agriculture	Industry			Construction
			Total	Manufacturing	Services	
ASEAN	1965	32.67	24.56	12.95	39.07	3.70
	1975	25.09	30.92	16.25	39.32	4.68
	1989	18.39	33.28	23.19	43.56	4.77
Non-ASEAN Asian DCs	1965	27.27	35.37	11.23	37.20	5.17
	1975	19.26	40.75	12.16	34.19	5.81
	1989	17.59	33.72	20.10	42.96	5.73
Non-ASEAN DEM	1965	18.24	25.62	22.23	50.95	5.18
	1975	11.44	29.39	25.97	52.83	6.34
	1985	9.47	31.45	26.63	53.66	5.42
EC	1965	5.09	31.67	26.79	53.67	9.57
	1975	4.14	32.25	27.76	55.54	8.07
	1989	3.67	30.10	25.72	60.13	6.10
Japan	1965	9.77	38.50	34.18	44.30	7.43
	1975	5.26	28.79	25.44	55.05	10.90
	1989	2.48	36.56	33.55	53.95	7.01
USA	1965	3.42	28.87	22.74	60.53	7.18
	1975	3.02	27.87	20.76	63.55	5.55
	1989	2.62	27.73	22.53	65.17	4.48
World	1965	9.95	31.59	24.76	50.53	7.93
	1975	7.88	33.13	25.07	51.49	7.50
	1989	6.59	33.34	26.97	53.89	6.18

TABLE 2

DISTRIBUTION OF GDP BY SECTOR OF ORIGIN, ASEAN COUNTRIES,
AT CONSTANT 1980 PRICES, 1965, 1975 AND 1989
(Percentage)

Country	Year	Agriculture	Industry			Construction
			Total	Manufacturing	Services	
Indonesia	1965	40.03	26.38	6.53	31.99	1.60
	1975	27.42	36.21	9.04	32.39	3.98
	1989	19.78	36.61	21.48	38.70	4.91
Malaysia	1965	24.44	30.19	14.04	42.31	3.06
	1975	26.36	30.21	17.83	39.77	3.67
	1989	18.69	37.97	25.19	40.29	3.06
Philippines	1965	28.64	24.30	21.90	41.87	5.20
	1975	24.57	23.40	24.77	40.96	6.07
	1989	24.69	28.42	24.48	42.07	4.83
Singapore	1965	3.19	19.80	17.74	69.13	7.87
	1975	1.62	27.48	25.06	63.17	7.73
	1989	0.35	28.04	25.76	67.30	4.31
Thailand	1965	33.65	18.04	14.26	42.26	6.04
	1975	27.74	22.78	19.38	46.12	4.36
	1989	18.19	28.43	23.57	47.57	5.80

TABLE 3

SHARES OF SELECTED COUNTRIES AND COUNTRY GROUPS IN WORLD MVA
AND WORLD MANUFACTURED EXPORTS, SELECTED YEARS

(Percentage)

Country/country group	Year	Share in world MVA at constant 1980 prices	Year	Share in world manufactured export at current prices
ASEAN	1965	0.64	1965	0.73
	1975	0.85	1975	0.85
	1989	1.70	1988	2.74
Non-ASEAN Asian DCs	1965	2.38	1965	2.08
	1975	3.33	1975	2.88
	1989	5.45	1988	5.10
Non-ASEAN DEM	1965	4.90	1965	1.65
	1975	5.74	1975	2.80
	1989	7.09	1988	5.16
EC	1965	34.63	1965	49.96
	1975	32.23	1975	48.23
	1989	25.45	1988	43.33
Japan	1965	8.96	1965	7.65
	1975	8.98	1975	10.63
	1989	13.60	1988	12.31
USA	1965	27.88	1965	17.00
	1975	20.28	1975	14.19
	1989	20.37	1988	10.87

TABLE 4 GDP PER CAPITA, MVA PER CAPITA AND THEIR GROWTH, ASEAN COUNTRIES AND SELECTED COUNTRY GROUPS, AT CONSTANT 1980 PRICES, SELECTED YEARS AND PERIODS

Country/country group	GDP per capita (in constant 1980 dollars)			Average annual growth rate of GDP/CAP		MVA per capita (in constant 1980 dollars)			Average annual growth rate of MVA/CAP	
	1965	1975	1989	1970-1980	1980-1989	1965	1975	1989	1970-1980	1980-1989
Indonesia	254	400	694	5.31	3.19	16	36	152	11.89	10.43
Malaysia	163	1326	2274	6.02	2.11	110	237	599	9.37	5.17
Philippines	475	612	669	3.72	-1.85	103	151	164	3.90	-2.02
Singapore	1478	3443	7957	6.73	4.89	273	902	2299	7.79	4.62
Thailand	363	531	1124	4.31	5.15	52	104	262	7.55	6.19
Total ASEAN	351	539	913	4.94	2.66	45	88	216	7.71	5.68
Non-ASEAN Asian DCs	411	627	764	3.45	0.88	45	80	157	5.67	5.20
Non-ASEAN DEM	1247	1820	2353	3.79	1.13	285	487	643	4.45	1.57

TABLE 5 SHARES OF SELECTED COUNTRIES IN THE MVA OF SOUTH AND EAST ASIAN DEVELOPING COUNTRIES, 1965, 1975, 1985 AND 1989

Country	1965	1975	1985	1989
ASEAN countries				
Indonesia	4.71	6.07	10.66	11.39
Malaysia	2.83	3.62	3.72	4.33
Philippines	8.93	8.01	4.57	4.13
Singapore	1.39	2.55	2.15	2.56
Thailand	4.33	5.34	4.90	5.97
Selected countries				
Hong Kong	4.80	4.57	4.35	4.32
India	46.36	30.31	25.39	22.48
Republic of Korea	4.64	12.68	18.65	22.29
Taiwan Province	5.16	9.39	12.43	12.64
Total share of all above countries	83.15	82.54	86.82	90.11

**TABLE 6 GROWTH IN TOTAL EMPLOYMENT AND MANUFACTURING EMPLOYMENT
ASEAN COUNTRIES, SELECTED COUNTRY GROUPS
AND JAPAN, SELECTED PERIODS
(Percentage)**

Country/country group	Total employment		Manufacturing employment	
	1970-1980	1980-1989	1970-1980	1980-1989
Indonesia	1.37	3.51 ^{a/}	7.12	9.10 ^{o/}
Malaysia	3.39	4.93 ^{b/}	11.31	1.75 ^{o/}
Philippines	3.75	3.74	9.33	d/
Singapore	6.00	2.29	8.78	1.62 ^{o/}
Thailand	6.09	1.13 ^{b/}	6.46	1.81 ^{o/}
Total ASEAN	2.83	3.33 ^{c/}	7.85	2.51 ^{o/}
Non-ASEAN Asian DCs	4.29	3.01	4.98	1.89
Non-ASEAN DEM	3.62	3.98	5.05	0.51
Japan	1.65	1.82	-0.63	0.53

a/ 1980 - 1986

b/ 1980 - 1987

c/ 1980 - 1988

d/ data not comparable

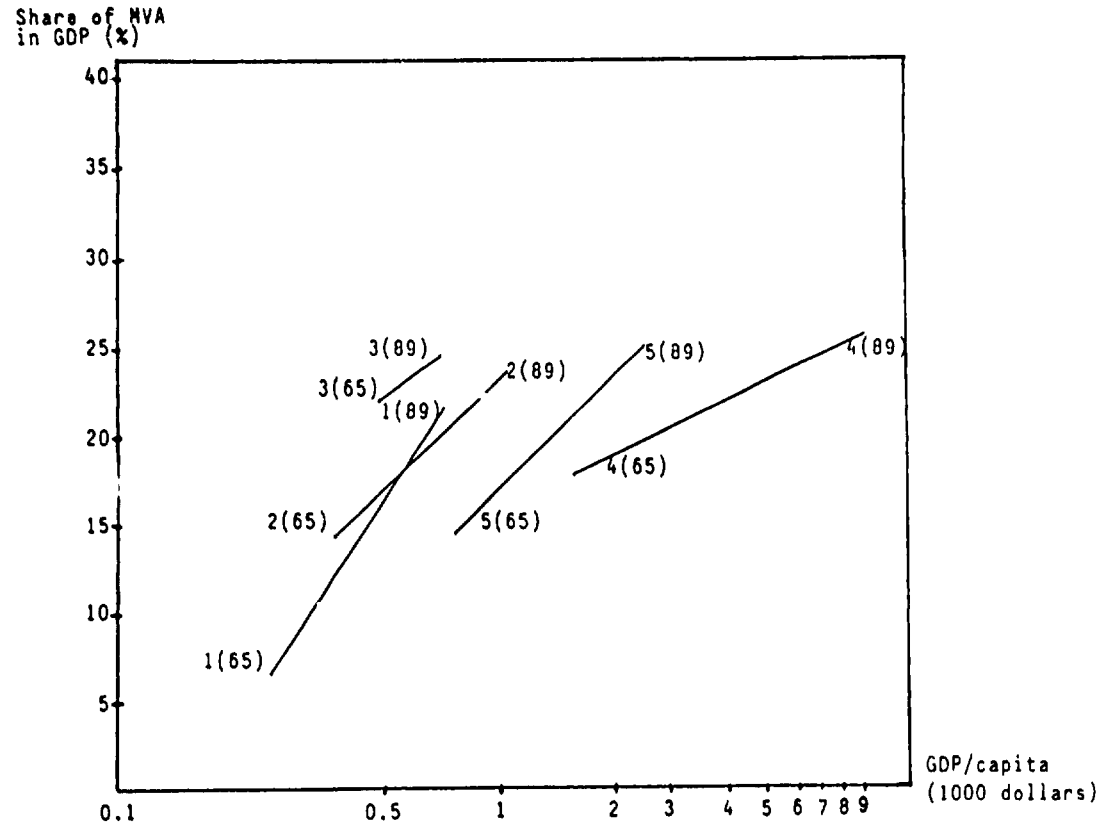
TABLE 7 SHARE OF MANUFACTURING IN GDP AND GDP PER CAPITA, ASEAN AND SELECTED ASIAN DEVELOPING COUNTRIES, AT CONSTANT 1980 PRICES

	Share of manufacturing in GDP (Percentage)						GDP per capita (In constant 1980 dollars)					
	1965	1970	1975	1980	1985	1989	1965	1970	1975	1980	1985	1989
ASEAN countries												
Indonesia	6.53	6.94	9.04	12.99	18.47	21.48	254	306	400	517	595	694
Malaysia	14.04	15.54	17.83	20.64	20.17	25.19	763	913	1326	1779	2003	2274
Philippines	21.90	23.93	24.77	24.39	23.35	24.48	475	515	612	729	621	669
Singapore	17.74	24.53	25.05	28.04	21.72	25.76	1478	2384	3443	4853	6182	7957
Thailand	14.25	15.37	19.38	21.25	20.38	23.57	363	468	531	588	820	1124
Selected Asian developing countries												
Hong Kong	20.54	26.61	20.69	24.09	22.09	22.05	2155	2845	3506	5462	6621	8791
India	16.96	16.14	16.38	17.71	19.97	19.16	208	232	239	251	293	339
Republic of Korea	10.46	15.56	22.68	29.51	32.94	36.34	568	902	1237	1643	2298	3267
Sri Lanka	17.35	18.67	23.21	18.99	18.50	19.34	217	216	233	279	329	346
Taiwan Province	18.82	27.56	30.53	36.19	37.68	36.70	786	1114	1550	2324	2974	4125

Figure 1

Patterns of structural transformation and income levels
ASEAN and selected Asian developing countries,
1965, 1989, at constant 1980 prices

ASEAN countries

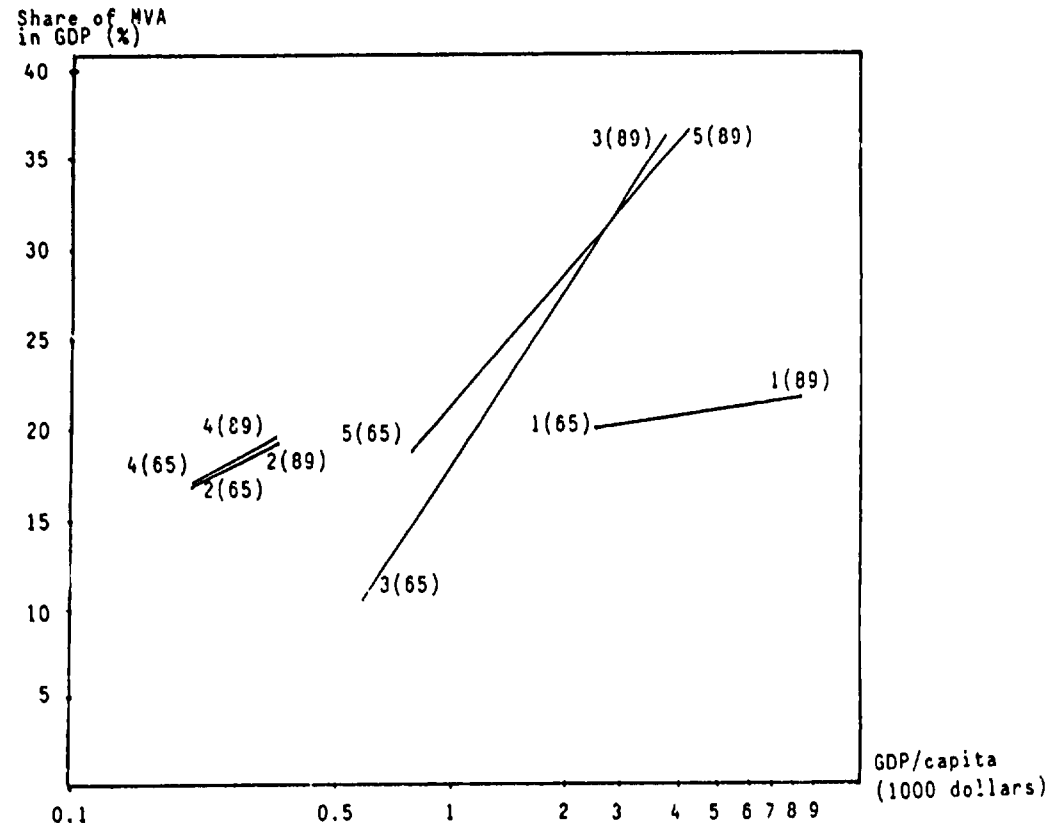


1 - Indonesia 2 - Malaysia 3 - Philippines 4 - Singapore 5 - Thailand

Figure 1
(continued)

Patterns of structural transformation and income levels
ASEAN and selected Asian developing countries,
1965, 1989, at constant 1980 prices

Asian developing countries



1 - Hong Kong 2 - India 3 - Rep. of Korea 4 - Sri Lanka 5 - Taiwan

TABLE 8 SELECTED INDICATORS OF TRADE, SELECTED COUNTRIES AND COUNTRY GROUPS,
 AT CURRENT PRICES, 1965, 1975 AND 1987

Country/country group	Year	Exports to GDP	Imports to GDP	Ratio of	
				Manufactured exports to total exports	Manufactured imports to total imports
ASEAN	1965	0 169	0 177	0 171	0 602
	1975	0 265	0 300	0 208	0 639
	1987	0 398	0 349	0 493	0 729
Non-ASEAN Asian DCs	1965	0 109	0 107	0 199	0 669
	1975	0 266	0 179	0 158	0 672
	1987	0 148	0 182	0 607	0 746
Non-ASEAN DEM	1965	0 049	0 094	0 446	0 777
	1975	0 064	0 127	0 660	0 731
	1987	0 121	0 156	0 820	0 772
EC	1965	0 146	0 164	0 771	0 499
	1975	0 199	0 209	0 784	0 549
	1987	0 221	0 220	0 802	0 706
Japan	1965	0 095	0 092	0 920	0 226
	1975	0 112	0 116	0 954	0 199
	1987	0 096	0 062	0 973	0 414
USA	1965	0 039	0 031	0 640	0 527
	1975	0 067	0 061	0 669	0 538
	1987	0 054	0 094	0 712	0 771

TABLE 9
 SELECTED INDICATORS OF TRADE, ASEAN COUNTRIES, AT CURRENT PRICES,
 1965, 1975 AND 1987

Country/country group	Year	Exports to GDP	Imports to GDP	Ratio of	
				Manufactured exports to total exports	Manufactured imports to total imports
Indonesia	1965	0 085	0 058	0 014	0 880
	1975	0 220	0 147	0 012	0 773
	1987	0 242	0 178	0 250	0 746
Malaysia	1965	0 486	0 440	0 052	0 518
	1975	0 412	0 378	0 173	0 617
	1987	0 560	0 324	0 393	0 762
Philippines	1965	0 084	0 098	0 066	0 611
	1975	0 140	0 239	0 117	0 577
	1987	0 189	0 173	0 579	0 750
Singapore	1965	0 931	1 180	0 306	0 425
	1975	0 948	1 435	0 415	0 564
	1987	1 437	1 633	0 661	0 677
Thailand	1965	0 152	0 193	0 020	0 739
	1975	0 145	0 220	0 147	0 641
	1987	0 245	0 272	0 616	0 682

TABLE 10

VALUE INDICES OF PRODUCTION, IMPORTS AND EXPORTS, ASEAN COUNTRIES, FOR SELECTED INDUSTRIES, 1981-1989

(1981=100)

ISIC 3220 - Wearing apparel excluding footwear

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1981	100	100	100	100	100	100	100	100	100	100	100	100
1982	154	37	123	81	109	109	88	132	88	99	129	98
1983	165	89	165	95	122	135	94	198	92	102	144	101
1984	214	46	310	113	139	187	77	175	72	116	155	118
1985	405	25	357	120	121	210	72	122	76	122	147	115
1986	436	22	545	136	108	265	86	151	84	131	178	144
1987		33	627	188	113	396	127				251	214
1988		55	831		136	540		126	127		296	265
1989		84	1215								336	298

ISIC 3320 - Fixtures, except furniture primarily of metal

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1981	100	100	100	100	100	100	100	100	100	100	100	100
1982	111	112	111	80	132	65	125	38	83	93	127	88
1983	109	72	179	69	151	64	85	41	98	102	159	99
1984	113	70	246	73	183	72	77	37	105	126	227	102
1985	283	69	310	87	182	84	71	33	99	132	286	92
1986	312	73	409	79	127	116	80	65	106	123	237	94
1987		41	1264	80	146	191	113				221	118
1988		81	3389		209	333		120	218		261	134
1989		113	7832								282	143

TABLE 10

VALUE INDICES OF PRODUCTION, IMPORTS AND EXPORTS, ASEAN COUNTRIES, FOR SELECTED INDUSTRIES, 1981-1989

(1981=100)

ISIC 3522 - Drugs and medicines												
Year	Production	Indonesia Imports	Exports	Production	Malaysia Imports	Exports	Production	Philippines Imports	Exports	Production	Singapore Imports	Exports
1981	100	100	100	100	100	100	100	100	100	100	100	100
1982	104	125	124	101	116	111	144	114	110	104	101	106
1983	94	126	149	115	133	134	129	104	104	133	100	102
1984	99	100	124	120	150	136	106	82	90	177	106	78
1985	157	95	164	153	163	112	128	73	104	207	112	88
1986	153	107	175	156	160	126	139	99	91	223	131	87
1987		113	204	167	165	161	160				152	93
1988		115	184		202	206		160	73		187	112
1989		117	185								206	119

ISIC 3831 - Electrical industrial machinery												
Year	Production	Indonesia Imports	Exports	Production	Malaysia Imports	Exports	Production	Philippines Imports	Exports	Production	Singapore Imports	Exports
1981	100	100	100	100	100	100	100	100	100	100	100	100
1982	126	157	40	107	125	100	148	133	184	85	106	103
1983	108	111	10	119	152	143	162	104	226	113	113	156
1984	126	97	28	125	228	238	161	81	262	120	133	182
1985	161	65	15	129	169	210	178	64	136	116	124	185
1986	141	112	230	83	137	250	126	38	164	107	171	205
1987		138	75	142	212	354	226				260	239
1988		115	375		279	507		67	184		363	343
1989		111	1275								360	340

TABLE 10

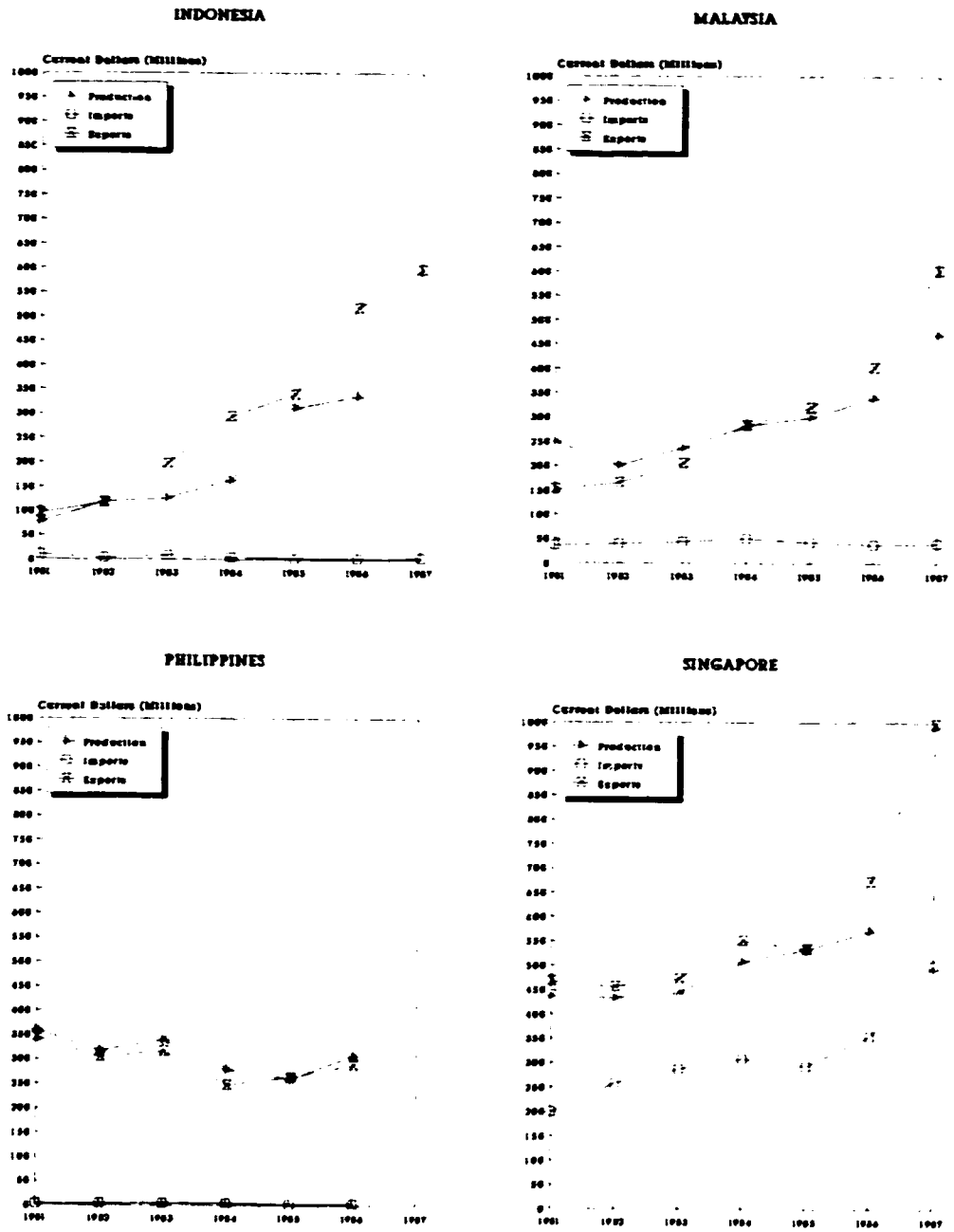
VALUE INDICES OF PRODUCTION, IMPORTS AND EXPORTS, ASEAN COUNTRIES, FOR SELECTED INDUSTRIES, 1981-1989

(1981=100)

ISIC 3832 - Radios, television and communication equipment												
Year	Production	Indonesia Imports	Exports	Production	Malaysia Imports	Exports	Production	Philippines Imports	Exports	Production	Singapore Imports	Exports
1981	100	100	100	100	100	100	100	100	100	100	100	100
1982	94	93	139	106	132	126	148	84	106	91	102	94
1983	70	130	220	131	158	162	166	104	201	123	112	109
1984	72	132	250	158	186	202	161	136	364	168	128	129
1985	79	81	164	122	163	188	138	91	265	192	116	117
1986	66	89	57	145	180	233	164	110	338	195	168	139
1987		116	40	209	220	304	219				216	210
1988		122	74		268	395					315	306
1989		138	137						194	548	331	342

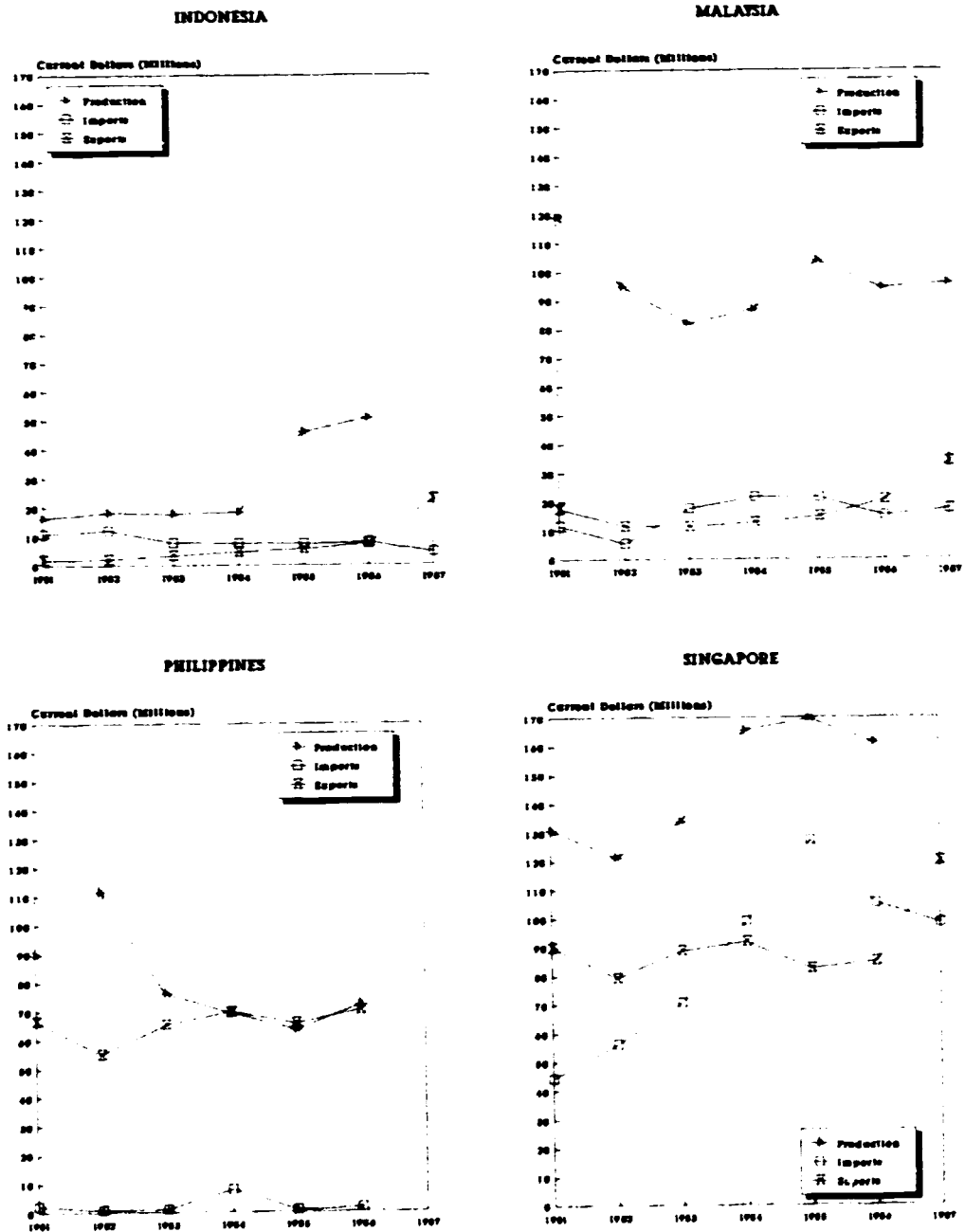
ISIC 3843 - Motor vehicles												
Year	Production	Indonesia Imports	Exports	Production	Malaysia Imports	Exports	Production	Philippines Imports	Exports	Production	Singapore Imports	Exports
1981	100	100	100	100	100	100	100	100	100	100	100	100
1982	104	81	54	109	79	148	146	87	68	94	96	84
1983	83	64	6	130	87	221	193	75	67	90	92	91
1984	100	70	14	126	88	268	68	22	74	113	84	96
1985	109	38	34	128	73	242	37	17	61	111	69	70
1986	149	61	31	85	39	287	31	22	89	91	54	66
1987		63	121	117	41	393	75				87	84
1988		67	479		73	315			52		140	117
1989		74	928								176	169

Figure 2 Development of production, imports and exports, ASEAN countries, selected product groups 1981-1987



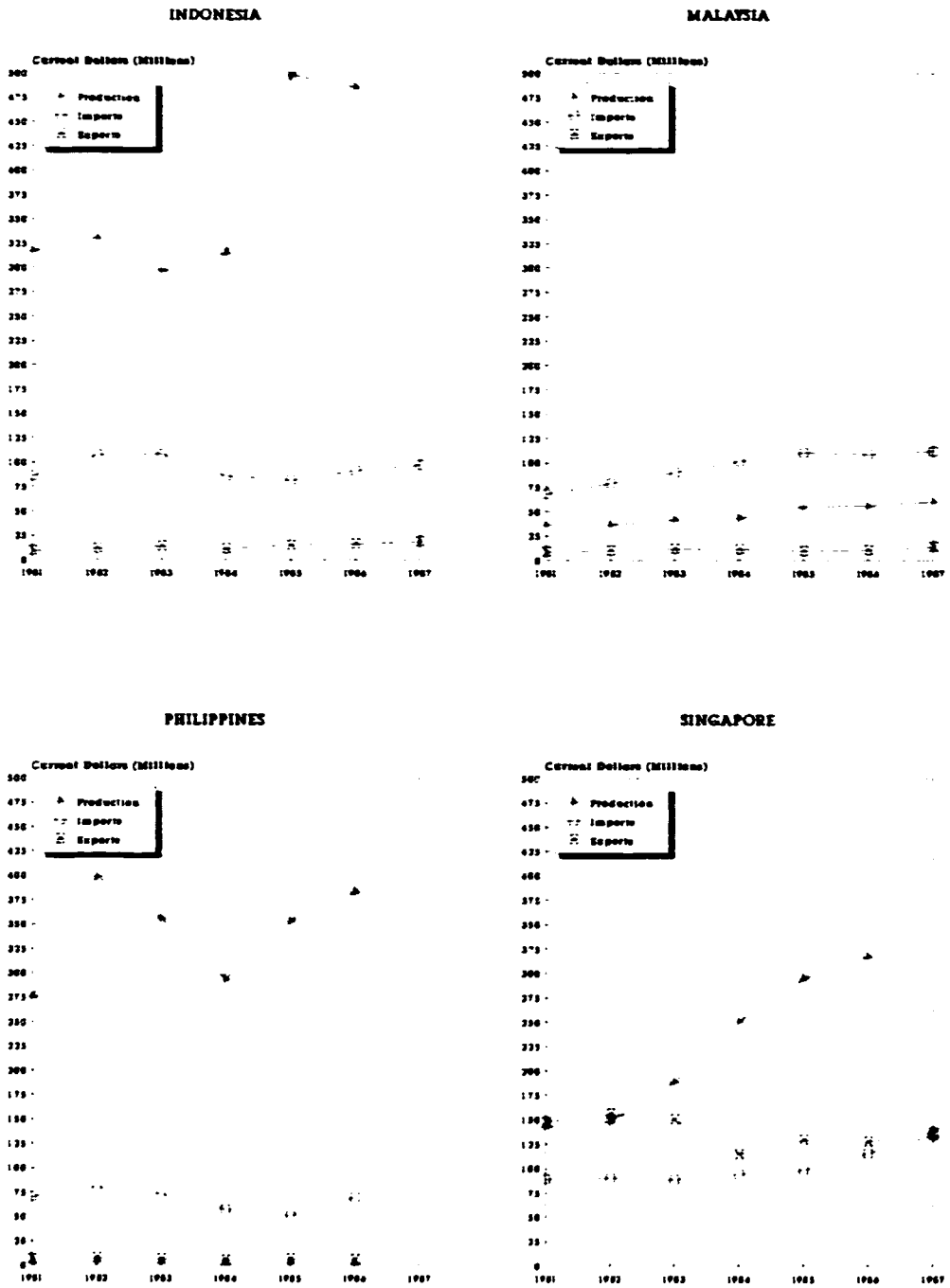
ISIC 3220 - Wearing apparel excluding footwear

Figure 2 Development of production, imports and exports, ASEAN countries, selected product groups 1981-1987 (cont'd)



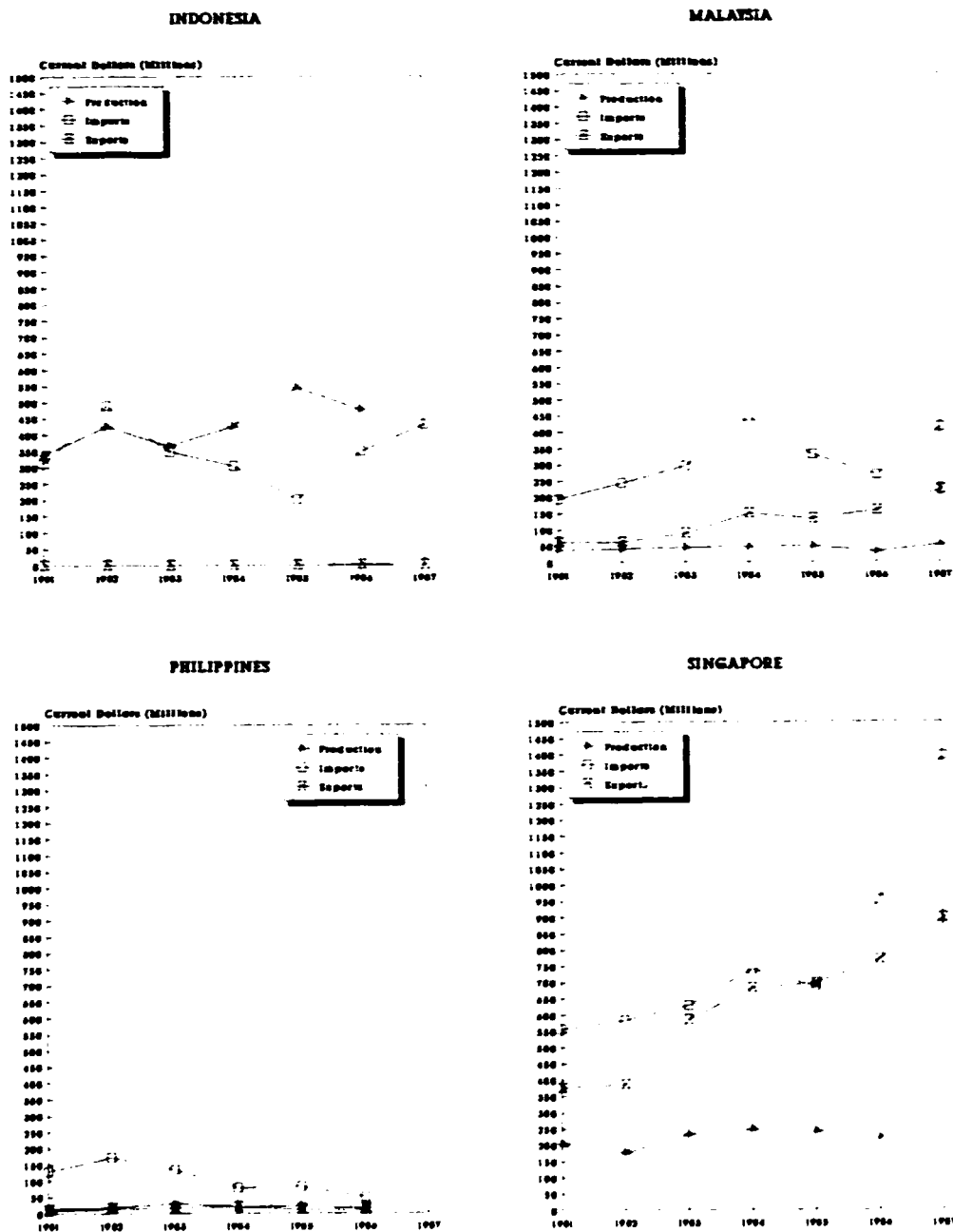
ISIC 3320 - Furniture and fixtures, except primarily of metal

Figure 2 Development of production, imports and exports, ASEAN countries, selected product groups 1981-1987 (cont'd)



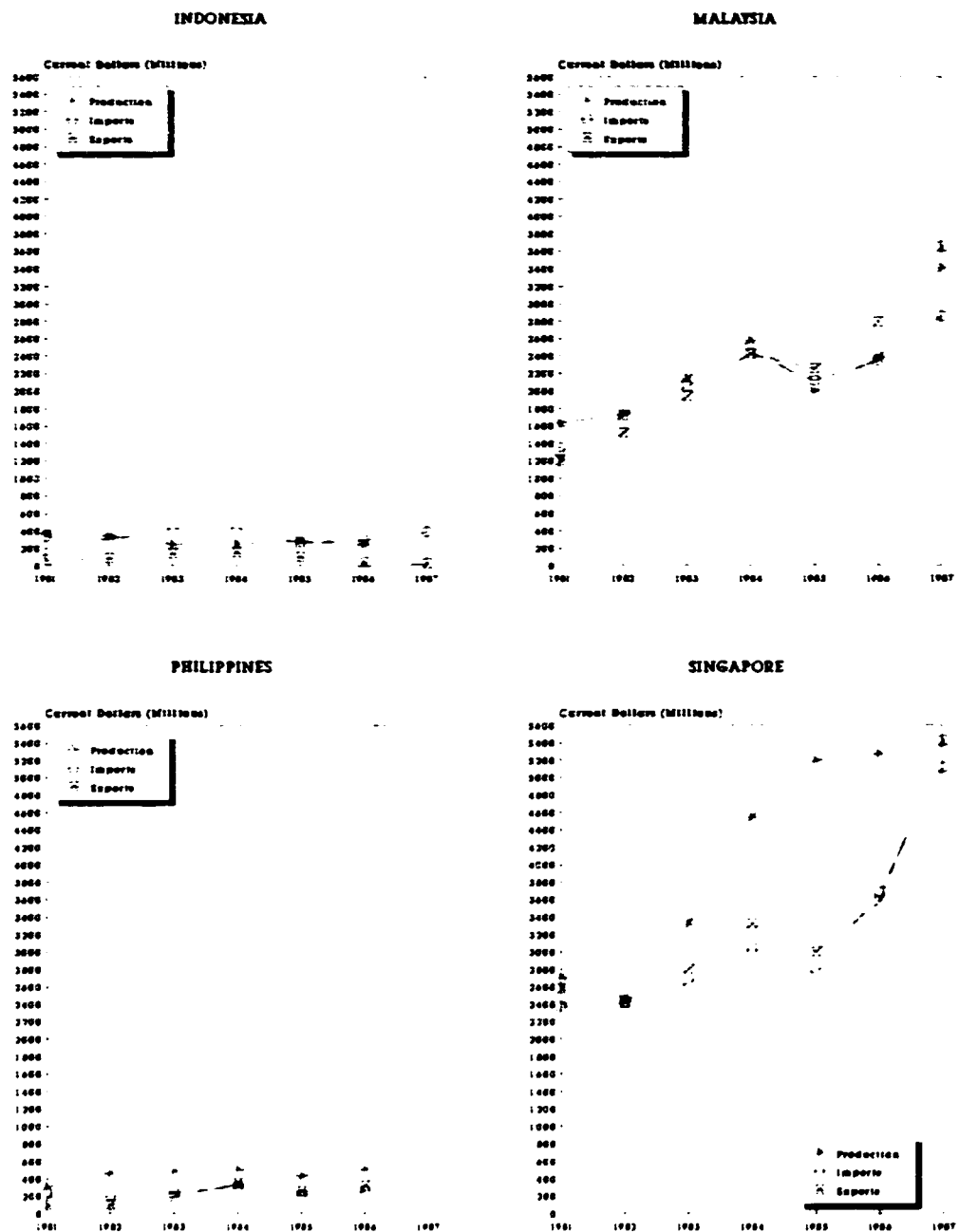
ISIC 3522 - Drugs and medicines

Figure 2 Development of production, imports and exports, ASEAN countries, selected product groups, 1981-1987 (cont'd)



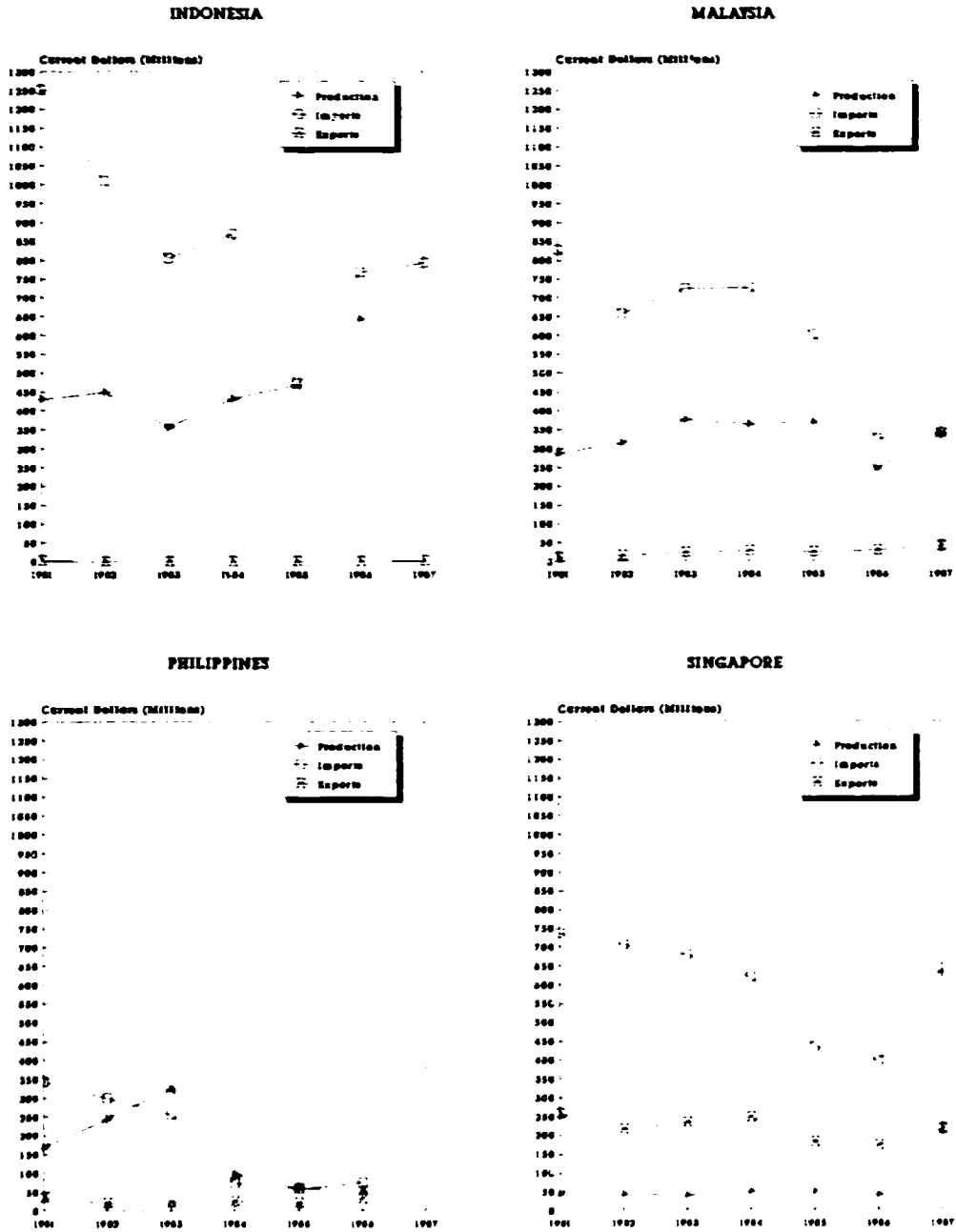
ISIC 3831 - Electrical industrial machinery

Figure 2 Development of production, imports and exports, ASEAN countries, selected product groups 1981-1987
(cont'd)



ISIC 3832 - Radio, television and communication equipment

Figure 2 Development of production, imports and exports, ASEAN countries, selected product groups 1981-1987 (cont'd)



ISIC 3843 - Motor vehicles

TABLE 11 STRUCTURE OF MVA IN SELECTED COUNTRY GROUPS AND JAPAN, AT CONSTANT 1980 PRICES, 1975 AND 1989
(Percentage)

Branch (ISIC code)	ASEAN		Non-ASEAN Asian DCs		Non-ASEAN OEM		Japan	
	1975	1989	1975	1989	1975	1989	1975	1989
Food products (311/2)	18.00	21.21	9.32	7.02	16.62	13.92	9.22	6.03
Beverages (313)	2.49	2.87	1.25	1.17	3.34	3.12	2.25	1.30
Tobacco (314)	5.05	3.53	2.11	1.15	1.23	0.93	0.75	0.34
Textiles (321)	6.49	5.18	19.13	9.79	9.42	7.55	5.09	2.55
wearing apparel (322)	4.98	5.24	7.09	3.58	3.57	3.18	1.72	0.91
Leather and fur products (323)	0.17	0.14	0.51	0.72	1.01	0.83	0.32	0.15
Footwear (324)	0.40	0.40	1.10	0.52	1.34	0.98	0.25	0.12
Wood and cork products (331)	4.52	4.53	2.25	0.87	2.30	1.87	3.20	1.35
Furniture, fixtures excl. metal (332)	1.09	0.75	0.50	0.49	1.43	1.17	1.35	0.55
Paper (341)	1.09	1.02	2.10	2.30	2.37	2.57	2.95	2.55
Printing and publishing (342)	2.30	1.57	1.91	2.55	4.02	2.79	4.95	3.51
Industrial chemicals (351)	1.82	1.82	4.38	5.55	3.54	5.21	3.25	2.53
Other chemicals (352)	4.49	3.45	4.05	3.55	4.75	5.25	2.79	3.55
Petroleum refineries (353)	17.48	8.22	2.45	2.31	2.71	2.74	1.59	0.54
Prods. of petroleum and coal (354)	1.33	0.54	0.99	1.20	0.44	0.55	0.32	0.15
Rubber products (355)	2.52	2.54	1.79	1.53	1.55	1.74	1.03	0.97
Plastic products (356)	1.44	1.42	1.74	3.44	2.05	2.79	2.45	2.37
Pottery, china, earthenware (361)	0.32	0.25	0.55	0.59	0.55	0.57	0.45	0.31
Glass (362)	0.59	0.55	0.70	1.19	1.22	0.92	0.59	0.54
Other non-metallic mineral prods (369)	3.25	3.54	4.02	2.55	3.79	3.59	3.15	2.35
Iron and steel (371)	1.47	1.27	5.37	5.53	5.72	5.95	11.71	7.75
Non-ferrous metals (372)	0.45	0.15	1.13	1.49	1.55	1.50	2.50	2.49
Metal products (381)	3.09	7.45	3.72	4.05	5.14	4.73	5.97	5.51
Non-electrical machinery (382)	2.80	2.35	4.24	5.05	5.34	5.10	10.07	14.55
Electrical machinery (383)	4.57	9.39	5.15	14.93	4.74	9.72	5.17	23.53
Transport equipment (384)	4.92	7.51	5.03	5.50	5.52	5.35	10.53	8.55
Prof. scient. equipment (385)	0.59	0.57	0.57	1.45	0.45	1.09	0.79	2.24
Other manufactures (390)	1.32	1.37	4.50	7.99	1.71	2.51	1.32	1.25
Total manufacturing (3)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 12

STRUCTURE OF MVA IN ASEAN COUNTRIES, AT CONSTANT 1980 PRICES, 1975 AND THE LATEST YEAR

Branch (ISIC code)	Indonesia		Malaysia		Philippines		Singapore		Thailand	
	1975	1989	1975	1989	1975	1989	1975	1989	1975	1987
Food products (311, 2)	12 35	10 90	18 24	15 01	31 92	33 90	3 29	1 91	21 51	21 58
Beverages (313)	1 97	0 92	2 37	1 63	2 71	4 31	0 92	0 65	8 04	8 13
Tobacco (314)	18 58	17 09	3 47	1 43	3 26	1 79	0 84	0 61	6 95	4 06
Textiles (321)	16 90	10 46	3 69	3 08	6 66	5 02	2 56	0 44	13 47	13 46
wearing apparel (322)	1 22	0 82	1 81	2 20	3 32	6 80	4 78	3 30	6 91	10 84
Leather and fur products (323)	0 44	0 55	0 08	0 06	0 21	0 10	0 36	0 06	1 74	2 44
Footwear (324)	1 11	0 87	0 49	0 17	0 20	0 42	0 79	0 11	a/	a/
Wood and cork products (331)	4 87	15 57	10 22	6 04	4 02	1 98	4 42	0 40	3 04	1 44
Furniture, fixtures excl metal (332)	1 79	1 46	1 18	0 70	0 87	0 60	0 83	0 96	1 09	1 08
Paper (341)	1 37	1 25	0 70	0 90	1 17	1 10	1 15	0 67	0 67	1 44
Printing and publishing (342)	1 22	1 05	4 85	3 86	1 55	0 98	3 27	4 03	1 30	1 54
Industrial chemicals (351)	2 25	2 86	1 64	1 36	3 90	1 93	1 20	3 12	0 04	0 03
Other chemicals (352)	8 65	5 15	2 76	3 53	4 21	2 08	3 24	3 78	b/	b/
Petroleum refineries (353)			7 09	5 55	12 63	1 80	15 25	11 48	6 95	4 25
Prods. of petroleum and coal (354)			0 05	0 06	0 02	0 02	c/	c/	c/	c/
Rubber products (355)	2 65	3 13	8 17	10 41	1 35	0 81	1 59	0 49	3 48	2 89
Plastic products (356)	1 00	0 47	2 10	1 75	2 24	1 82	2 58	1 54	d/	g/
Pottery, china, earthenware (361)	0 08	0 09	0 26	0 20	0 35	0 32	0 03	-	3 48	3 51
Glass (362)	0 71	0 66	0 61	0 47	0 61	0 57	0 25	0 03	e/	e/
Other non-metallic mineral prods (369)	3 29	8 47	4 48	3 45	1 91	1 79	2 54	0 85	e/	e/
Iron and steel (371)	0 44	2 70	1 96	1 87	2 43	0 68	2 09	1 71	1 52	1 36
Non-ferrous metals (372)			1 20	0 74	0 27	0 04	0 25	0 12	f/	f/
Metal products (381)	4 28	4 39	3 57	3 52	3 47	11 54	6 35	4 53	1 96	1 72
Non-electrical machinery (382)	1 16	0 62	3 04	3 00	2 85	2 04	9 11	9 03	2 82	3 25
Electrical machinery (383)	2 48	3 80	11 55	24 30	2 53	4 78	12 43	33 40	1 74	2 62
Transport equipment (384)	8 50	3 52	3 36	4 01	2 71	10 19	15 25	14 73	5 65	3 43
Prof. scient. equipment (385)	0 09	0 10	0 48	0 33	1 58	1 33	2 79	1 25	5 43	10 84
Other manufactures (390)	2 52	3 13	0 58	0 39	1 06	1 26	1 74	0 78	g/	g/
Total manufacturing (3)	100 00	100 00	100 00	100 00	100 00	100 00	100 00	100 00	100 00	100 00

- a. ISIC 324 is included in ISIC 323
b. ISIC 352 is included in ISIC 351
c. ISIC 354 is included in ISIC 353
d. ISIC 356 is included in ISIC 355
e. ISIC 369 and 362 are included in ISIC 361
f. ISIC 372 is included in ISIC 371
g. ISIC 390 is included in ISIC 385

TABLE 13

GROWTH OF VALUE ADDED IN MANUFACTURING BRANCHES, SELECTED COUNTRY GROUPS AND JAPAN,
AT CONSTANT 1980 PRICES, SELECTED PERIODS
(Percentage)

Branch (ISIC code)	ASEAN		Non-ASEAN Asian DCs		Non-ASEAN DEM		Japan	
	1970-80	1980-89	1970-80	1980-89	1970-80	1980-89	1970-80	1980-89
Food products (311/2)	7.20	11.30	8.63	6.46	4.60	1.27	2.78	1.28
Beverages (313)	11.71	9.98	8.08	6.40	5.79	1.82	-0.20	0.65
Tobacco (314)	7.72	7.21	5.37	4.85	3.96	0.96	2.79	-1.41
Textiles (321)	10.58	6.91	5.96	5.92	4.72	1.17	0.21	-1.04
Wearing apparel (322)	8.80	11.40	13.04	4.80	7.12	1.79	0.73	-0.45
Leather and fur products (323)	2.92	9.70	15.72	9.51	2.72	2.87	1.52	-0.80
Footwear (324)	7.82	10.72	13.98	5.97	3.75	0.43	0.19	-0.81
Wood and cork products (331)	6.96	8.12	6.14	4.23	4.90	0.91	-1.56	-2.05
Furniture, fixtures excl. metal (332)	8.92	7.03	6.78	6.13	4.89	0.13	-1.56	-2.05
Paper (341)	8.30	8.73	13.72	10.08	6.28	2.95	3.20	3.97
Printing and publishing (342)	7.30	8.21	11.49	13.72	1.06	1.53	3.34	2.14
Industrial chemicals (351)	12.26	8.15	14.32	10.66	10.58	4.82	3.06	2.78
Other chemicals (352)	9.47	7.00	9.95	9.84	8.61	3.06	7.18	4.91
Petroleum refineries (353)	7.34	2.09	11.06	4.91	5.55	2.51	2.39	-1.79
Prods. of petroleum and coal (354)	7.11	1.10	7.90	9.91	7.46	4.37	3.06	-0.33
Rubber products (355)	6.92	9.81	8.68	5.96	7.82	1.09	5.07	2.69
Plastic products (356)	14.23	9.30	11.65	10.11	8.17	4.35	3.93	3.48
Pottery, china, earthenware (361)	6.84	6.61	5.47	9.02	6.74	0.67	2.13	1.06
Glass (362)	7.80	6.98	7.93	14.57	5.36	0.69	0.73	1.07
Other non-metallic mineral prods. (369)	9.77	9.79	9.98	5.62	8.23	1.12	3.48	1.07
Iron and steel (371)	15.25	4.50	11.07	9.82	7.43	2.85	2.92	0.86
Non-ferrous metals (372)	6.25	-2.02	7.03	10.94	4.80	3.29	4.09	2.33
Metal products (381)	8.78	20.37	9.04	8.60	6.80	1.36	3.48	1.47
Non-electrical machinery (382)	10.28	7.91	15.10	15.49	11.93	2.16	5.07	6.28
Electrical machinery (383)	15.27	13.42	16.38	16.57	9.81	8.41	8.08	12.21
Transport equipment (384)	13.61	13.26	11.26	13.08	7.91	0.30	5.78	2.51
Prof., scient. equipment (385)	14.65	9.35	21.22	11.16	13.87	6.34	15.90	6.95
Other manufactures (390)	11.39	9.27	11.26	20.71	8.17	5.93	2.78	3.31
Total manufacturing (3)	9.03	9.42	10.15	10.20	6.54	2.51	3.86	4.12

TABLE 14 GROWTH OF VALUE ADDED IN MANUFACTURING BRANCHES, ASEAN COUNTRIES, AT CONSTANT 1980 PRICES, SELECTED PERIODS
(Percentage)

Branch (ISIC code)	Indonesia		Malaysia		Philippines		Singapore		Thailand	
	1970-80	1980-89	1970-80	1980-89	1970-80	1980-89	1970-80	1980-89	1970-80	1980-86
Food products (311/2)	13 18	3 48	4 73	7 01	8 81		3 20	0 65	7 79	7 51
Beverages (313)	11 72	2 96	11 07	0 22	11 72		5 97	2 51	8 04	4 76
Tobacco (314)	9 33	9 37	5 60	0 11	6 36		1 06	8 30	6 93	0 65
Textiles (321)	11 39	7 01	12 79	4 13	8 56		7 18	-9 93	12 76	5 42
wearing apparel (322)	8 07	8 40	13 05	8 27	14 87		10 46	4 69	10 06	10 41
Leather and fur products (323)	10 45	16 87	7 62	6 65	0 62		-3 31	-8 27	6 05	16 99
Footwear (324)	12 07	9 05	2 39	0 49	14 87		-6 56	-4 84	a/	a/
Wood and cork products (331)	18 07	12 90	5 24	3 13	4 73		-2 13	-12 52	3 42	1 93
Furniture, fixtures excl metal (332)	15 34	5 00	5 55	2 80	12 79		10 16	3 22	4 81	5 96
Paper (341)	16 89	8 71	12 07	6 89	4 40		13 58	-0 92	11 61	4 20
Printing and publishing (342)	18 07	4 75	4 56	6 59	16 35		7 39	7 33	10 65	6 42
Industrial chemicals (351)	16 35	6 00	7 84	4 99	12 07		12 43	17 44	0 98	5 96
Other chemicals (352)	4 73	6 55	8 81	9 59	12 24		17 46	7 07	b/	b/
Petroleum refineries (353)			-0 10	7 76	8 56		3 48	3 97	9 28	4 73
Prods of petroleum and coal (354)			6 76	6 07	0 41		c/	c/	c/	c/
Rubber products (355)	18 71	5 72	5 07	13 48	5 07		1 17	-4 51	9 35	5 50
Plastic products (356)	22 63	3 96	10 76	7 13	14 87		15 34	1 17	d/	d/
Pottery, china, earthenware (361)	28 73	-2 91	8 81	3 39	5 07		-1 21	-14 28	9 15	7 57
Glass (362)	17 46	5 29	9 29	2 88	5 60		0 19	-15 61	e/	e/
Other non-metallic mineral prods (369)	24 70	10 67	9 63	2 52	5 41		6 16	-3 29	e/	e/
Iron and steel (371)	58 49	9 21	9 87	6 81	14 42		9 33	4 45	5 54	3 74
Non-ferrous metals (372)			6 97	2 05	10 16		1 17	-2 86	f/	f/
Metal products (381)	18 07	8 76	9 33	6 28	7 18		3 78	4 61	4 14	6 79
Non-electrical machinery (382)	25 89	-0 61	10 08	5 47	4 90		20 89	4 53	10 65	7 29
Electrical machinery (383)	27 23	6 81	11 07	15 82	7 62		27 23	8 76	14 28	6 23
Transport equipment (384)	8 31	2 33	12 07	6 28	9 87		13 99	5 43	15 80	4 12
Prof. scient. equipment (385)	25 16	8 69	24 70	1 38	18 71		9 14	-1 14	15 02	10 41
Other manufactures (390)	23 62	10 61	25 28	0 55	8 07		8 81	-0 80	9/	9/
Total manufacturing (3)	13 40	7 68	7 13	7 96	8 95		10 32	5 28	9 57	6 23

a/ ISIC 324 is included in ISIC 323
b/ ISIC 352 is included in ISIC 351
c/ ISIC 354 is included in ISIC 353
d/ ISIC 356 is included in ISIC 355
e/ ISIC 369 and 362 are included in ISIC 361
f/ ISIC 372 is included in ISIC 371
g/ ISIC 390 is included in ISIC 385

TABLE 15

INDICES OF RELATIVE SPECIALIZATION IN MANUFACTURING, ASEAN COUNTRIES, AT CONSTANT 1980 PRICES, SELECTED YEARS

Index

Branch (ISIC code)	Indonesia		Malaysia		Philippines		Singapore		Thailand	
	1975	1989	1975	1989	1975	1989	1975	1989	1975	1989
Food products (311-2)	1.09	1.06	1.61	1.46	2.82	3.29	0.29	0.19	1.90	2.10
Beverages (313)	0.82	0.44	0.99	0.78	1.13	2.07	0.38	0.31	3.36	3.91
Tobacco (314)	18.77	24.41	3.51	2.04	3.29	2.56	0.85	0.87	7.02	5.80
Textiles (321)	2.80	2.22	0.61	0.65	1.10	1.07	0.42	0.09	2.23	2.86
wearing apparel (322)	0.37	0.32	0.54	0.86	1.00	2.67	1.44	1.29	2.68	4.25
Leather and fur products (323)	0.73	1.38	0.13	0.15	0.35	0.25	0.60	0.15	1.14	2.42
Footwear (324)	1.21	1.43	0.53	0.28	0.22	0.69	0.86	0.18	a/	a/
Wood and cork products (331)	2.00	7.45	4.19	2.89	1.65	0.95	1.81	0.19	1.25	0.69
Furniture, fixtures excl. metal (332)	0.97	0.88	0.64	0.42	0.47	0.36	0.45	0.58	0.59	0.65
Paper (341)	0.51	0.43	0.26	0.31	0.44	0.38	0.43	0.23	0.33	0.50
Printing and publishing (342)	0.34	0.28	1.35	1.03	0.43	0.26	0.91	1.07	0.36	0.41
Industrial chemicals (351)	0.53	0.61	0.38	0.29	0.91	0.41	0.28	0.67	0.01	
Other chemicals (352)	2.72	1.38	0.87	0.95	1.32	0.56	1.02	1.02	b/	b/
Petroleum refineries (353)			2.69	2.56	4.78	0.83	4.50	4.06	2.05	1.50
Prods. of petroleum and coal (354)			0.07	0.08	0.03	0.03	c/	c/	c/	c/
Rubber products (355)	1.96	2.43	6.05	8.07	1.00	0.63	1.18	0.38	1.25	0.86
Plastic products (356)	0.69	0.24	1.46	0.88	1.56	0.91	1.79	0.77	d/	d/
Pottery, china, earthenware (361)	0.15	0.20	0.49	0.43	0.66	0.70	0.06		0.34	0.91
Glass (362)	0.88	0.85	0.75	0.60	0.75	0.73	0.31	0.04	e/	e/
Other non-metallic mineral prods (369)	1.04	3.09	1.42	1.26	0.60	0.65	0.84	0.31	e/	e/
Iron and steel (371)	0.07	0.58	0.32	0.40	0.40	0.15	0.34	0.37	0.18	0.21
Non-ferrous metals (372)			0.58	0.38	0.13	0.02	0.12	0.06	f/	f/
Metal products (381)	0.75	0.82	0.63	0.66	0.61	2.16	1.11	0.85	0.34	0.32
Non-electrical machinery (382)	0.10	0.04	0.25	0.21	0.24	0.14	0.75	0.64	0.23	0.23
Electrical machinery (383)	0.35	0.36	1.61	2.32	0.35	0.46	1.73	3.19	0.24	0.26
Transport equipment (384)	0.95	0.39	0.38	0.45	0.30	1.14	1.70	1.65	0.63	0.36
Prof. scient. equipment (385)	0.05	0.04	0.25	0.15	0.81	0.59	1.44	0.56	1.53	2.59
Other manufactures (390)	1.62	1.61	0.36	0.20	0.65	0.65	1.07	0.40	g/	g/

- a. ISIC 324 is included in ISIC 323
b. ISIC 352 is included in ISIC 351
c. ISIC 354 is included in ISIC 353
d. ISIC 356 is included in ISIC 355
e. ISIC 369 and 362 are included in ISIC 361
f. ISIC 372 is included in ISIC 371
g. ISIC 390 is included in ISIC 385

TABLE 16

STRUCTURE AND GROWTH OF EMPLOYMENT BY MANUFACTURING BRANCH, ASEAN COUNTRIES, SELECTED YEARS

(Percentage)

Branch (ISIC code)	INDONESIA				MALAYSIA			
	Employment		Employment		Employment		Employment	
	Share		Average annual growth rate		Share		Average annual growth rate	
	1975	1988	1970-1980	1980-1988	1975	1988	1970-1980	1980-1988
Food products (311/2)	20.93	17.67	5.25	10.71	12.86	12.20	11.17	1.49
Beverages (313)	0.92	0.77	6.32	9.57	1.35	0.97	5.96	-1.57
Tobacco (314)	19.28	11.67	1.86	3.85	1.89	0.76	7.55	-8.17
Textiles (321)	24.05	18.48	4.90	5.18	9.98	4.96	16.03	-3.70
wearing apparel (322)	0.58	3.73	32.49	23.00	3.57	7.69	16.49	9.03
Leather and fur products (323)	0.42	0.25	6.84	5.47	0.15	0.11	4.85	-3.42
Footwear (324)	0.85	0.42	8.56	-0.61	0.52	0.18	12.10	-11.79
wood and cork products (331)	4.87	12.74	23.74	21.15	16.53	10.72	7.43	-1.77
Furniture, fixtures excl. metal (332)	0.70	0.71	12.86	11.87	1.69	1.79	13.65	0.66
Paper (341)	1.18	1.42	10.34	11.25	1.16	1.52	12.47	4.40
Printing and publishing (342)	2.59	2.09	5.01	9.26	4.98	3.92	5.79	-0.12
Industrial chemicals (351)	1.34	1.79	14.15	12.51	1.14	1.28	11.28	5.31
Other chemicals (352)	4.26	3.76	7.26	7.24	2.18	1.87	6.59	0.13
Petroleum refineries (353)	...	...	...	...	0.21	0.21	-3.52	6.92
Prods. of petroleum and coal (354)	...	...	...	...	0.06	0.20	14.46	26.33
Rubber products (355)	1.37	5.14	20.54	13.75	9.40	7.66	4.31	3.82
Plastic products (356)	2.10	2.82	12.40	15.99	2.40	3.25	13.33	2.32
Pottery, china, earthenware (361)	0.29	0.68	20.20	8.45	0.20	0.92	20.35	13.01
Glass (362)	0.95	0.53	10.95	0.64	0.52	0.40	9.57	-0.36
Other non-metallic mineral prods (369)	3.56	3.31	11.35	9.70	3.88	3.52	10.43	-0.19
Iron and steel (371)	0.19	0.92	25.20	9.17	2.21	2.22	11.77	4.24
non-ferrous metals (372)	...	...	...	...	0.25	0.48	20.44	3.66
Metal products (381)	3.25	3.50	11.53	6.17	4.60	3.36	10.26	-3.11
Non-electrical machinery (382)	1.28	0.93	10.46	4.78	3.19	2.53	9.14	-2.12
Electrical machinery (383)	1.52	2.12	27.10	0.05	10.80	20.26	37.39	5.28
Transport equipment (384)	2.81	3.67	22.44	11.73	3.89	3.70	13.20	1.31
Prof. scient. equipment (385)	0.06	0.14	30.46	13.99	0.31	1.26	14.97	6.17
Other manufactures (390)	0.66	0.76	-0.76	13.11	0.99	2.07	13.00	10.36
Total manufacturing (3)	100.00	100.00	7.12	9.10	100.00	100.00	11.31	1.75

TABLE 16

STRUCTURE AND GROWTH OF EMPLOYMENT BY MANUFACTURING BRANCH, ASEAN COUNTRIES, SELECTED YEARS

(Percentage)

Branch (ISIC code)	PHILIPPINES				SINGAPORE			
	Employment		Employment		Employment		Employment	
	Share		Average annual growth rate		Share		Average annual growth rate	
	1975	1988	1970-1980	1980-1988	1975	1988	1970-1980	1980-1988
Food products (311/2)	19.51	19.60	8.54		4.60	3.39	1.28	0.71
Beverages (313)	5.51	4.07	6.33		1.34	0.70	1.29	-1.61
Tobacco (314)	4.02	1.93	-1.98		0.65	0.17	2.02	-9.73
Textiles (321)	14.24	11.48	9.49		6.80	1.02	3.26	-12.43
Wearing apparel (322)	6.36	15.15	16.18		9.37	9.35	10.65	1.22
Leather and fur products (323)	0.44	0.43	8.93		0.48	0.25	4.97	-6.22
Footwear (324)	0.69	0.94	5.12		1.03	0.33	-1.22	-6.17
Wood and cork products (331)	8.56	6.67	6.77		4.78	0.96	1.42	-13.77
Furniture, fixtures excl. metal (332)	2.10	4.01	18.14		1.44	2.57	13.26	3.07
Paper (341)	2.12	1.75	7.60		1.72	1.24	5.62	-0.78
Printing and publishing (342)	2.42	2.50	3.18		4.46	4.62	5.75	2.26
Industrial chemicals (351)	1.55	1.35	8.10		0.73	1.11	10.20	7.12
Other chemicals (352)	3.98	3.68	8.58		1.86	1.41	3.32	0.87
Petroleum refineries (353)	0.21	0.36	1.84		1.68	0.93	4.26	-0.81
Prods. of petroleum and coal (354)	0.02	0.04	-2.21					
Rubber products (355)	1.88	3.38	11.31		2.23	0.61	-4.69	-10.31
Plastic products (356)	2.91	1.86	12.88		2.52	3.67	15.75	3.36
Pottery, china, earthenware (361)	0.46	0.52	30.43		0.06	0.01	4.98	-20.07
Glass (362)	1.19	0.76	-0.14		0.29	0.04	-0.28	-19.94
Other non-metallic mineral prods. (369)	2.63	1.14	5.97		2.20	1.44	1.90	3.23
Iron and steel (371)	1.72	2.14	6.76		0.70	0.45	5.78	-2.57
Non-ferrous metals (372)	0.26	0.37	10.76		0.23	0.21	1.48	4.89
Metal products (381)	4.38	2.71	8.80		5.77	8.07	7.25	4.92
Non-electrical machinery (382)	3.13	1.84	15.47		7.32	6.69	17.98	0.61
Electrical machinery (383)	4.28	7.09	14.00		17.48	40.43	20.62	5.64
Transport equipment (384)	3.86	1.86	11.41		15.44	6.15	5.60	-3.66
Prof. scient. equipment (385)	0.26	0.46	12.33		3.52	2.22	28.10	-4.25
Other manufactures (390)	1.33	1.89	23.27		2.31	2.25	-1.02	0.04
Total manufacturing (3)	100.00	100.00	9.33		100.00	100.00	8.78	1.62

TABLE 17 SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry, ISIC code ^a	Wages and salaries per employee (dollar)		Value added per employee (dollar)	Value added per establishment (1,000 dollar)		Value added as percentage of gross output		Wages and salaries as percentage of value added	
	1981	1986		1981	1986	1981	1986	1981	1986
Slaughtering, preparing and preserving meat (3111)	1604	928	2195	137 6	17 11	45 74	46 23		
Dairy products (3112)	2280	1961	15697	1846 9	20 08	17 82	19 60		
Canning, preserving of fruits and vegetables (3113)	1161	404	3296	409 2	31 14	35 22	18 29		
Vegetable and animal oils and fats (3114)	433	538	2566	62 2	28 63	24 11	20 97		
Grain mill products (3116)	1161	496	6114	705 4	25 17	18 99	23 41		
Baker's products (3117)	455	410	5165	573 0	12 31	16 25	26 17		
Sugar factories and refineries (3118)	1050	859	9110	57 8	21 39	50 01	48 23		
Cocoa, chocolate and sugar confectionery (3119)	725	530	4071	3185 4	41 78	25 79	39 36		
Other food products (3121)	1377	1892	1414	127 9	19 19	51 27	64 34		
Prepared animal feed (3122)	213	848	16032	54 1	26 48	45 55	32 21		
Distilling, rectifying and blending spirits (3131)	538	1063	828 2	1632 1	17 41	17 04	10 56		
Wine (3132)	4039	2366	294	55 5	45 91	31 62	36 48		
Malt liquors and malt (3133)	1149	1208	862	273 2	26 85	16 60	16 77		
Soft drinks and carbonated waters (3134)	356	429	25687	9135 5	49 76	56 06	53 38		
Tobacco products (3140)	693	594	2152	745 1	19 60	26 95	16 19		
Spinning, weaving and finishing textiles (3211)	485	431	4774	985 8	30 59	35 43	33 69		
Woolen textile goods excl. wearing apparel (3212)	496	431	2058	767 8	30 48	34 29	31 66		
Knitting mills (3213)	988	850	1531	122 7	40 67	41 76	31 66		
Carpets and rugs (3214)	495	463	952	104 7	29 50	35 45	30 63		
Corsets, rope and twine (3215)	495	463	2550	4251	25 47	26 86	37 26		
Other textiles (3219)	665	610	976	23 7	37 42	39 39	50 77		
Wearing apparel except footwear (3220)	531	531	1263	99 1	24 37	36 06	36 01		
Tanneries and leather finishing (3231)	330	1175	1231	156 8	11 96	17 71	11 45		
Fur dressing and dyeing (3232)	945	613	2701	199 0	21 76	47 18	25 67		
Leather products excluding wearing apparel (3233)	945	613	467	11 1	33 87	59 71	26 41		
Footwear except rubber or plastic footwear (3240)	613	525	2101	256 7	31 27	50 85	55 94		
Wooden and cane containers (3312)	603	713	5038	721 5	40 16	30 07	18 76		
Furniture and fixtures excl. those of metal (3320)	1354	883	1660	47 1	36 41	36 95	21 78		
Pulp, paper and paperboard (3411)	1125	1047	1776	58 9	26 58	40 94	26 77		
Containers of paper and paperboard (3412)	541	1179	2627	70 1	37 74	41 13	59 27		
Other pulp, paper or paperboard articles (3419)	1091	1448	467 3	1085 0	18 26	22 69	51 54		
Basic chemicals excl. fertilizers (3511)	2454	2418	2153	467 3	14 76	22 69	26 71		
Fertilizers and pesticides (3512)	841	146	5344	5347	27 61	27 95	23 00		
Synthetic resins and plastic materials (3513)	1523	1357	45260 9	17197 9	35 47	28 06	40 26		
Paints, varnishes and lacquers (3521)	1863	1958	156 6	21 6	45 06	26 87	16 49		
Drugs and medicines (3522)	1863	1958	557 2	361 2	29 68	25 41	16 10		
			6073	5231	41 44	34 38	30 67		

^a The following ISIC combinations are reported: 3820 + 3821 + 3822 + 3823 + 3824 + 3825 + 3829; 3832C + 3832 + 3833; 3851D + 3851 + 3852 + 3853

TABLE 17
continued

SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry - ISIC code ^a	Indonesia									
	wages and salaries per employee (dollar)		Value added per employee (dollar)		Value added per establishment (1000 dollar)		Value added as percentage of gross output		wages and salaries as percentage of value added	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Soap, cleaning preps., perfumes, cosmetics (3523)	1798	1694	8671	4317	990.3	558.0	32.68	22.31	20.74	39.23
Other chemical products (3529)	798	1003	2851	6147	339.0	641.8	33.32	41.73	27.98	16.32
Petroleum refineries (3530)										
Other products of petroleum and coal (3540)										
Tyres and tubes (3551)	1789	1180	5183	3634	1502.6	1513.3	26.92	23.44	34.52	32.46
Other rubber products (3559)	726	671	3271	2051	526.1	450.6	15.19	20.75	22.20	32.72
Other plastic products (3560)	667	694	1432	1846	128.1	169.0	18.41	21.70	46.55	37.61
Pottery, china and earthenware (3610)	763	707	1451	2076	486.8	586.2	44.70	43.07	52.60	34.06
Glass and glass products (3620)	1550	1420	7251	9085	1493.0	2856.0	55.24	50.15	21.37	15.63
Structural clay products (3691)	368	353	807	799	31.4	30.7	56.91	46.47	46.55	44.19
Cement, lime and plaster (3692)	2363	2224	17605	10672	2649.6	1599.5	56.87	26.91	13.42	20.84
Other non-metallic mineral products (3699)	683	683	1830	3773	81.4	182.9	31.47	63.12	37.34	18.11
Iron and steel (3710)	1334	2259	13271	32781	5719.1	18449.1	31.87	50.04	11.56	6.89
Non-ferrous metals (3720)										
Cutlery, handtools and general hardware (3811)	848	739	2989	1418	281.3	111.4	21.74	16.00	28.36	52.13
Furniture and fixtures primarily of metal (3812)	663	707	1703	1522	121.4	128.3	37.48	36.87	38.93	46.44
Structural metal products (3813)	1364	1583	5286	8412	784.4	1187.9	22.47	27.87	25.21	18.82
Other metal products (3819)	878	893	1855	2201	250.9	214.4	34.70	29.63	47.34	40.57
Non-electrical machinery (3820)	1281	1119	5395	3287	530.0	296.3	38.81	33.72	23.74	34.06
Electrical industrial machinery (3831)	1297	1304	5590	5888	1600.5	999.6	37.37	29.60	23.21	22.15
Radio, TV, communic. equipm., elect. appl. (3832C)	1056	947	4518	3768	2025.3	1233.5	20.01	23.26	23.37	25.15
Other electrical apparatus and supplies (3839)										
Shipbuilding (3841)	1574	1776	5869	5954	924.4	1454.7	61.69	46.12	26.82	29.82
Railroad equipment (3842)										
Motor vehicles (3843)	1756	1584	8903	7241	1910.0	1063.3	41.20	28.09	19.72	21.87
Motorcycles and bicycles (3844)	1954	1955	31678	13374	15637.9	4696.3	48.28	27.22	6.17	14.62
Aircraft (3845)										
Other transport equipment (3849)	549	1610	1155	1895	59.2	607.6	31.74	29.68	47.56	84.99
Prof., scientific, measuring equipment (3851D)	644	723	1151	1316	42.4	72.2	35.11	28.16	55.94	54.96
Jewellery and related articles (3901)	636	354	869	783	21.2	25.7	37.85	37.50	73.13	45.15
Musical instruments (3902)	1444	1309	10566	11046	422.6	887.4	30.43	39.25	13.67	11.85
Sporting and athletic goods (3903)	490	343	1036	1092	78.8	60.2	42.40	45.36	47.26	31.46
Other manufactures (3909)	644	746	1943	1818	163.5	157.0	38.37	28.43	33.16	41.04

a. The following ISIC combinations are reported: 3820 = 3821 + 3822 + 3823 + 3824 + 3825 + 3829
3832C = 3832 + 3833
3851D = 3851 + 3852 + 3853

TABLE 17

SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry, ISIC code ^a	Malaysia									
	Wages and salaries per employee (dollar)		Value added per employee (dollar)		Value added per establishment (1000 dollar)		Value added as percentage of gross output		Wages and salaries as percentage of value added	
	1981	1987	1981	1987	1981	1987	1981	1987	1981	1987
Slaughtering, preparing and preserving meat (3111)	1736	2778	8789	9425	219.7	565.5	43.43	32.80	19.75	29.47
Dairy products (3112)	3801	5489	22016	25688	818.5	2485.9	23.15	26.00	17.27	21.37
Canning, preserving of fruits and vegetables (3113)	1689	2397	4095	6272	94.7	318.0	25.91	30.19	41.24	38.14
Canning, preserving and processing of fish (3114)	1317	1573	4279	3912	293.9	421.2	19.92	16.83	30.78	40.22
Vegetable and animal oils and fats (3115)	2565	3242	16184	14442	1163.4	1313.5	14.83	11.14	15.85	22.45
Grain mill products (3116)	2195	2620	6823	6539	63.9	279.2	13.53	13.38	37.17	40.07
Bakery products (3117)	1445	1819	3987	4282	38.1	155.9	27.87	31.86	36.24	42.47
Sugar factories and refineries (3118)	2938	4296	12437	25155	5389.2	9642.9	10.51	21.91	23.62	17.08
Cocoa, chocolate and sugar confectionery (3119)	1828	2268	5103	8815	210.5	822.8	21.92	24.83	35.82	25.72
Other food products (3121)	1879	2649	7182	8170	54.0	182.1	29.58	32.68	28.16	32.42
Prepared animal feed (3122)	2446	3762	11364	15270	357.1	723.3	13.63	13.74	21.53	24.64
Distilling, rectifying and blending spirits (3131)	1823	2513	8854	12963	260.4	388.9	35.05	41.35	20.59	19.39
Wine (3132)										
Malt liquors and malt (3133)	4895	7283	43427	36305	26055.1	21706.3	62.19	63.95	11.27	19.61
Soft drinks and carbonated waters (3134)	2342	3930	11628	17780	520.8	1124.9	43.15	43.96	20.14	22.10
Tobacco products (3140)	1671	6515	10428	49409	540.5	11182.1	37.09	47.84	16.02	13.19
Spinning, weaving and finishing textiles (3211)	2220	2683	4852	9121	787.1	1997.8	27.86	32.59	45.75	29.47
Made-up textile goods excl. wearing apparel (3212)	1302	2083	3352	4167	35.1	200.0	33.82	37.28	38.85	60.00
Knitting mills (3213)	1411	2134	3570	5137	241.9	678.9	33.16	27.50	39.51	41.54
Carpets, rugs, cordage, rope & other textiles (32140)	1705	1984	4030	5051	470.2	427.4	40.50	41.30	42.31	39.29
Wearing apparel except footwear (3220)	1363	1867	2915	3692	33.0	734.7	34.72	30.97	45.77	50.57
Tanneries and leather finishing (3231)	1953	2579	6293	7738	251.7	309.5	27.62	23.49	31.03	33.33
Fur dressing and dyeing (3232)										
Leather products excluding wearing apparel (3233)	1374	1852	3255	2545	32.5	61.1	31.69	35.09	47.22	70.00
Footwear except rubber or plastic footwear (3240)	1652	2459	3894	4453	94.6	400.8	29.18	42.44	42.68	55.45
Sawmills, planing and other wood mills (3311)	2275	2514	5003	6304	301.2	608.5	33.36	33.77	45.48	39.89
Wooden and cane containers (3312)	1399	1548	3111	3135	30.6	87.1	40.31	38.54	44.96	49.37
Other wood and cork products (3319)	1491	1653	3105	3326	38.4	174.6	27.73	26.79	48.03	50.00
Furniture and fixtures excl. those of metal (3320)	1769	2086	3580	3968	25.5	117.1	35.74	37.34	48.07	52.56
Pulp, paper and paperboard (3411)	2052	3175	6402	5231	365.8	1150.8	26.15	36.57	37.70	60.69
Containers of paper and paperboard (3412)	2347	2998	8311	9171	249.3	687.8	31.00	29.91	28.24	32.59
Other pulp, paper or paperboard articles (3419)	1442	2579	4270	8345	98.1	488.5	29.99	31.19	33.77	30.91
Printing, publishing and allied industries (3420)	2571	3875	7125	9051	221.7	721.8	47.57	48.32	36.09	42.82
Basic chemicals excl. fertilizers (3511)	3212	8095	11735	11935	437.9	11190.5	32.41	52.28	27.37	6.78
Fertilizers and pesticides (3512)	3847	6871	14875	29929	751.1	2030.9	16.34	20.72	25.86	22.95
Synthetic resins and plastic materials (3513)	2951	3720	20660	20738	607.6	1245.4	30.99	25.31	14.29	18.38
Paints, varnishes and lacquers (3521)	4369	5979	17622	19497	714.4	1218.6	32.99	33.59	24.79	30.66
Drugs and medicines (3522)	2483	4048	7101	13055	213.9	900.4	48.98	43.06	34.95	31.00
Soap, cleaning preps, perfumes, cosmetics (3523)	4080	6453	19566	33919	741.1	3237.7	44.60	45.43	20.85	19.05
Other chemical products (3529)	2074	3494	6454	10780	216.0	615.0	30.70	34.32	17.13	32.41

a. The following ISIC combinations are reported: 32140 + 3214 + 3215 + 3219
3825A + 3825 + 3829
3844C + 3844 + 3845 + 3849
3902A + 3902 + 3903

TABLE 17
(continued)
SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry ISIC code ^a	Malaysia									
	wages and salaries per employee (dollar)		value added per employee (dollar)		Value added per establishment (1,000 dollar)		Value added as percentage of gross output		wages and salaries as percentage of value added	
	1981	1987	1981	1987	1981	1987	1981	1987	1981	1987
Petroleum refineries (3530)	9437	12843	334139	93975	38982 9	9397 5	13 70	9 66	2 84	13 67
Other products of petroleum and coal (3540)	2821	3483	12587	14638	251 7	627 0	34 52	29 88	22 41	23 80
Tyres and tubes (3551)	3686	4824	11615	16495	603 3	1716 9	38 53	47 47	31 73	29 26
Other rubber products (3559)	1816	2311	7340	8441	423 5	1165 2	19 89	17 55	24 75	27 38
Other plastic products (3560)	1609	2153	4387	6077	118 0	441 8	31 66	33 09	36 67	36 43
Pottery, china and earthenware (3610)	1881	1658	5704	4603	206 5	986 4	57 50	58 59	32 97	36 02
Glass and glass products (3620)	2899	4856	11510	16497	532 9	1823 3	40 13	45 24	25 19	29 44
Structural clay products (3691)	1882	2364	4163	6332	181 8	287 4	52 28	60 43	38 62	37 33
Cement, lime and plaster (3692)	3707	4902	26083	34407	1812 3	5317 5	32 73	45 70	18 46	14 25
Other non-metallic mineral products (3699)	2272	3912	8879	13934	184 7	672 7	41 27	47 21	28 59	28 07
Iron and steel (3710)	3111	4230	8357	16214	208 9	1374 9	23 40	26 53	37 22	26 09
Non-ferrous metals (3720)	3164	4012	16311	10450	2198 4	1763 4	5 99	10 82	19 40	38 40
Cutlery, handtools and general hardware (3811)	1693	2232	3559	4514	10 5	116 5	39 30	47 15	47 66	49 45
Furniture and fixtures primarily of metal (3812)	2042	2564	4698	4945	103 7	279 5	30 62	36 00	43 48	51 85
Structural metal products (3813)	2123	2629	5098	6091	52 8	132 3	33 45	33 90	41 64	41 52
Other metal products (3819)	2114	3096	6326	8771	184 7	514 0	27 78	29 16	36 58	35 30
Engines and turbines (3821)	2170	4646	6843	9735	56 3	384 5	50 00	50 26	31 26	47 73
Agricultural machinery and equipment (3822)	1402	3294	6713	8214	183 1	432 3	32 91	41 82	35 78	40 10
Metal and woodworking machinery (3823)	1899	2910	4178	4233	53 9	115 4	38 31	48 12	45 45	68 75
Other special industrial machinery (3824)	2474	3254	6597	6905	141 9	369 9	28 84	20 95	37 50	47 13
Office computing, other non electric machinery (3825A)	2394	3605	7109	9734	50 0	395 2	36 51	28 62	33 67	37 04
Electrical industrial machinery (3831)	2308	4015	5524	8827	153 8	696 1	32 15	31 05	41 79	40 86
Radio, television & communication equip (3832)	2007	2957	6547	8450	389 5	661 2	28 28	22 29	30 65	34 99
Electrical appliances and housewares (3833)	2936	3750	7532	7242	853 5	905 3	29 62	18 36	38 98	51 78
Other electrical apparatus and supplies (3839)	2726	3229	7555	9157	460 5	929 8	27 06	26 28	35 09	35 26
Smelting equip (3841)	4094	5298	14287	6456	649 4	362 0	48 28	29 08	28 66	82 06
Railroad equipment (3842)	2652	3404	6607	11996	360 9	891 2	29 03	27 66	42 04	28 37
Motor vehicles (3843)	2304	3325	8363	11481	396 4	665 9	33 38	29 35	27 54	28 96
Cycles, aircraft & other transport equip (3844C)	2686	2817	6510	8611	694 4	2870 4	45 11	50 88	41 25	32 72
Prof and scientific equipment n e c (3851)	2535	2282	4444	8168	584 8	2450 4	29 22	23 13	27 93	27 94
Photographic and optical goods (3852)	1953	2010	3364	4928	448 5	3819 4	44 60	30 13	58 06	40 78
Watches and clocks (3853)	2370	2494	5342	4932	24 9	191 8	23 49	34 05	44 38	50 57
Jewellery and related articles (3901)	2108	1389	5708	2381	405 1	158 7	41 79	45 57	40 48	58 33
Medical instruments, sporting goods (3902A)	1382	2021	3738	4799	62 9	627 6	35 58	39 58	38 97	42 12

^a The following ISIC combinations are reported
3214D • 3214 • 3215 • 3219
3825A • 3825 • 3829
3844C • 3844 • 3845 • 3849
3902A • 3902 • 3903

TABLE 17

SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry	ISIC code	Philippines									
		wages and salaries per employee (dolla.)		Value added per employee (dollar)		Value added per establishment (1000 dollar)		Value added as percentage of gross output		wages and salaries as percentage of value added	
		1983	1987	1983	1987	1983	1987	1983	1987	1983	1987
Slaughtering, preparing and preserving meat (3111)		1239	1775	3175	4540	701.1	1040.4	18.09	17.00	39.04	39.11
Dairy products (3112)		2045	4185	21814	20701	4799.2	5766.7	53.80	44.10	9.38	20.22
Canning, preserving of fruits and vegetables (3113)		1651	2301	7636	3919	1787.4	1429.0	49.63	29.39	21.62	58.71
Canning, preserving and processing of fish (3114)		947	1159	5091	1925	429.9	381.5	32.38	9.80	18.60	60.19
Vegetable and animal oils and fats (3115)		2493	3010	16216	14417	2993.7	3669.7	27.77	10.49	15.38	20.88
Grain mill products (3116)		675	729	5560	2468	136.0	64.3	26.02	12.57	12.14	29.63
Bakery products (3117)		731	713	2224	1812	57.1	57.2	38.32	29.45	32.85	39.36
Sugar factories and refineries (3118)		1392	1370	4793	7009	3176.2	4249.9	26.06	36.09	29.05	19.56
Cocoa, chocolate and sugar confectionery (3119)		1285	1477	3578	3222	227.7	287.0	30.25	24.98	35.93	45.86
Other food products (3121)		1388	2307	5746	8697	935.4	1256.2	21.16	26.17	24.16	26.53
Prepared animal feed (3122)		1409	1722	7267	7437	837.2	951.2	18.93	17.36	19.39	23.16
Distilling, rectifying and blending spirits (3131)		1162	1467	10011	4210	1813.3	580.3	46.52	17.66	11.61	34.84
wine (3132)		2250	662	4499	883	90.0	13.0	66.67	11.43	50.00	75.00
Malt liquors and malt (3133)		2280	3622	79666	72854	59749.8	83782.7	64.91	74.44	2.86	4.97
Soft drinks and carbonated waters (3134)		2048	2303	8945	8278	4393.4	4000.8	51.46	37.96	22.89	27.82
Tobacco products (3140)		1270	1465	8923	3676	5538.7	18408.6	24.49	61.03	14.23	4.11
Spinning, weaving and finishing textiles (3211)		1042	1167	3482	2270	1501.7	976.6	33.42	21.36	29.91	51.42
Made-up textile goods excl. wearing apparel (3212)		769	737	3076	1295	604.2	277.6	40.26	17.72	25.00	56.88
Knitting mills (3213)		1021	1269	1732	1903	342.7	328.3	31.00	22.43	58.94	66.67
Carpets and rugs (3214)		1125	1660	2700	2085	479.9	309.7	48.98	42.50	41.67	80.39
Cordage, rope and twine (3215)		822	1014	2113	1857	190.6	137.3	33.86	22.45	38.89	54.62
Other textiles (3219)											
wearing apparel except footwear (3220)		955	1200	1648	1544	281.9	377.3	36.34	34.25	57.94	77.74
Tanneries and leather finishing (3231)		900	785	2100	822	85.9	152.7	33.87	24.72	42.86	95.45
Fur dressing and dyeing (3232)											
Leather products excluding wearing apparel (3233)		796	810	1869	1684	194.4	64.8	37.50	29.71	42.59	48.08
Footwear except rubber or plastic footwear (3240)		770	879	2775	1218	163.4	69.1	55.65	33.40	27.73	72.15
Sawmills, planing and other wood mills (3311)		896	1018	2957	1946	441.6	276.0	33.53	21.40	30.29	52.32
Wooden and cane containers (3312)		540	598	1080	1719	21.2	63.8	27.27	23.12	50.00	34.78
Other wood and cork products (3319)		614	740	1718	1041	67.5	66.2	47.19	23.94	35.71	71.11
Furniture and fixtures excl. those of metal (3320)		743	892	1790	1129	112.4	131.0	44.34	29.94	41.49	78.97
Pulp, paper and paperboard (3411)		1435	1642	11150	18109	2564.6	4765.6	37.43	25.69	12.87	9.07
Containers of paper and paperboard (3412)		1518	1406	4780	3042	325.5	235.9	21.46	13.05	31.76	46.22
Other pulp, paper or paperboard articles (3419)		1725	1619	11848	3706	1579.7	263.3	39.35	18.33	14.56	43.69
Printing, publishing and allied industries (3420)		1423	1504	4183	2815	175.4	127.7	40.02	26.95	34.01	53.43
Basic chemicals excl. fertilizers (3511)		2188	2418	13027	15002	1173.9	1152.0	32.68	31.71	16.80	16.11
Fertilizers and pesticides (3512)		2816	3212	21974	16156	3784.4	2782.4	41.25	17.19	12.81	19.88
Synthetic resins and plastic materials (3513)		2025	2550	10541	11628	1135.2	1240.3	25.73	24.07	19.21	21.93
Paints, varnishes and lacquers (3521)		1575	1871	5549	6963	391.7	626.6	15.68	20.87	28.38	26.87
Drugs and medicines (3522)		3149	4287	11044	13031	2094.5	2266.2	34.13	35.29	28.52	32.90
Soap, cleaning preps., perfumes, cosmetics (3523)		3909	4462	16113	14213	2515.2	1872.0	27.23	22.54	24.26	31.39

TABLE 17
continued.
SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry, ISIC code	Wages and salaries per employee (dollar)		Value added per employee (dollar)		Value added per establishment (1000 dollar)		Value added as percentage of gross output		Wages and salaries as percentage of value added	
	1983	1987	1983	1987	1983	1987	1983	1987	1983	1987
Other chemical products (3529)	1956	2372	11033	8655	875.0	554.5	39.47	29.53	17.73	27.18
Petroleum refineries (3530)	5669	8744	305858	204480	157929.0	170788.1	21.56	27.36	1.85	4.16
Other products of petroleum and coal (3540)	1350	1457	6299	7408	314.9	473.3	18.18	21.40	21.43	19.67
Tyres and tubes (3551)	2554	2844	11017	9544	1164.7	878.7	39.43	34.13	21.18	29.48
Other rubber products (3559)	1071	1145	1757	2238	83.8	152.8	21.35	23.93	60.98	51.16
Other plastic products (3560)	1218	1265	4262	2788	497.7	230.6	33.19	19.39	28.57	45.38
Pottery, china and earthenware (3610)	1391	1388	4213	2887	481.8	459.3	42.56	43.33	33.01	48.08
Glass and glass products (3620)	1625	2734	4699	9020	1253.1	2190.6	12.95	41.07	34.57	30.31
Structural clay products (3691)	851	1538	2432	2351	449.9	534.3	29.59	19.11	35.00	66.29
Cement, lime and plaster (3692)	1911	2540	9356	12579	4017.6	3551.8	26.67	30.65	20.42	20.19
Other non-metallic mineral products (3699)	1303	1977	3724	2290	2107.7	126.8	35.29	37.77	35.00	44.16
Iron and steel (3710)	1815	1974	21981	9033	3196.6	1304.7	44.43	16.27	8.26	21.85
Non-ferrous metals (3720)	2100	2312	8774	4411	739.0	501.2	28.00	7.87	31.00	52.47
Buttery, handtools and general hardware (3811)	1012	2004	3599	6983	82.3	232.8	59.26	54.26	28.13	28.70
Furniture and fixtures primarily of metal (3812)	900	972	1980	1700	68.3	44.4	37.93	36.84	45.45	57.14
Structural metal products (3813)	1492	1239	4565	1624	270.2	119.2	35.37	24.81	32.69	67.93
Other metal products (3819)	550	686	2040	800	105.5	41.2	16.17	23.31	44.12	85.71
Engines and turbines (3821)	350	486	2700	507	270.0	24.3	27.27	62.50	33.33	80.00
Agricultural machinery and equipment (3822)	900	1214	2250	2065	181.8	45.9	37.14	35.96	40.00	58.82
Metal and woodworking machinery (3823)	1125	1110	3149	2290	148.2	69.7	50.91	38.62	35.71	48.48
Other special industrial machinery (3824)	869	2257	2017	3077	307.8	71.0	48.87	23.17	43.08	73.68
Office, computing and accounting machinery (3825)	2700	4048	4049	19769	135.0	963.4	45.00	28.88	66.67	21.01
Other non-electrical machinery & equipment (3829)	1179	1302	2684	3844	118.5	165.6	42.18	43.98	43.92	33.87
Electrical industrial machinery (3831)	1233	2850	999	7189	104.9	399.4	50.65	37.31	31.62	19.64
Radio, television & communication equip (3832)	1512	2090	4850	5037	254.2	2655.3	16.40	22.70	31.17	41.49
Electrical appliances and housewares (3833)	1900	1821	8099	6822	2186.6	871.7	41.12	39.15	23.46	27.29
Other electrical apparatus and supplies (3839)	1575	1975	7161	4242	1074.2	649.5	50.00	26.79	21.99	46.56
Shipbuilding (3841)	1561	1804	3473	3840	542.1	384.0	50.72	50.61	44.94	46.99
Railroad equipment (3842)	2369	1439	6629	10751	2618.6	2446.5	16.13	21.41	35.74	13.90
Motor vehicles (3843)	1620	1639	5629	8501	516.2	755.6	22.00	34.31	30.00	19.20
Motorcycles and bicycles (3844)	2700	2105	23196	3724	9358.4	558.6	37.10	36.98	11.54	56.52
Aircraft (3845)	1300	648	5449	1166	58.5	17.5	43.33	36.00	23.08	55.56
Other transport equipment (3849)	1575	1781	4274	27041	244.2	737.5	26.03	51.54	36.84	6.59
Prof and scientific equipment n.e.c. (3851)	450	1457	1800	2429	359.9	242.9	21.05	55.56	25.00	60.00
Photographic and optical goods (3852)	300	1140	900	2093	135.0	270.3	20.00	67.07	33.33	54.46
Watches and clocks (3853)	1200	1353	1800	2394	90.0	239.4	66.67	69.00	40.00	56.52
Jewellery and related articles (3901)	728	923	2314	1214	135.0	173.5	55.25	49.02	44.44	76.00
Musical instruments (3902)	1350	1527	4274	2151	213.7	251.0	32.76	18.45	31.58	70.37
Sporting and athletic goods (3903)	829	981	1659	1844	103.2	106.3	41.59	35.09	50.00	53.23
Other manufactures (3909)										

Philippines

TABLE 17

SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Singapore										
Industry (ISIC code) ^a	wages and salaries per employee (dollar)		Value added per employee (dollar)		Value added per establishment ('000 dollar)		Value added as percentage of gross output		wages and salaries as percentage of value added	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Slaughtering, preparing and preserving meat (3111)	4234	5786	8263	15057	579.3	697.6	29.68	62.66	61.24	38.43
Dairy products (3112)	6436	8322	19759	29056	1814.5	2818.4	25.46	28.06	32.57	28.64
Canning, preserving of fruits and vegetables (3113)	3454	5407	9675	12721	239.4	293.8	34.40	26.77	36.07	42.60
Canning, preserving and processing of fish (3114)	3257	3315	4073	6285	158.0	126.2	20.24	18.01	79.96	52.74
Vegetable and animal oils and fats (3115)	5725	9512	46128	35753	2331.0	1838.1	20.15	15.54	12.41	26.60
Grain mill products (3116)	8238		32404		1908.5		14.22		26.42	
Bakery products (3117)	3369	4942	7790	11964	159.2	247.7	37.42	43.83	13.25	41.31
Sugar factories and refineries (3118)										
Cocoa, chocolate and sugar confectionery (3119)	5109	9306	14435	25695	1136.0	2376.0	27.00	17.63	36.39	36.22
Other food products (3121)	5285	7548	18574	20400	591.8	645.3	17.59	13.66	28.46	37.00
Prepared animal feed (3122)	6973	11336	22825	20648	1232.5	1149.4	18.77	23.25	30.56	54.90
Distilling, blending spirits, malt liquors (3131B), wine (3132)	7712	9546	47811	59064	6817.8	8717.9	64.57	70.52	16.13	16.16
Soft drinks and carbonated waters (3134)	6614	7637	15859	28794	2681.6	4388.1	34.83	41.39	41.71	26.62
Tobacco products (3140)	7630	11519	33115	47941	5376.6	9000.9	35.19	44.60	22.96	24.03
Spinning, weaving and finishing textiles (3211)	4351	5227	8198	13962	1081.0	903.1	36.31	36.78	63.07	37.44
Made-up textile goods excl. wearing apparel (3212)	4141	5641	8081	11730	280.9	321.8	27.51	36.34	61.24	48.09
Knitting mills (3213)	3744	6499	7961	13690	491.0	394.6	27.89	26.61	47.03	47.82
Carpets and rugs (3214)										
Cordage, rope and twine (3215)										
Other textiles (3219)										
Wearing apparel except footwear (3220)	3080	4168	5296	6774	390.2	448.6	33.34	29.13	68.16	61.64
Tanneries and leather finishing (3231)										
Fur dressing and dyeing (3232)										
Leather products excluding wearing apparel (3233)	3307	4924	5638	8697	160.4	186.7	27.32	30.79	68.66	66.62
Footwear except rubber or plastic footwear (3240)	3522	3547	6615	6383	157.9	109.9	34.63	31.66	53.24	66.67
Sawmills, planing and other wood mills (3311)	4620	5548	10092	12190	931.5	606.2	26.81	27.86	46.78	46.62
Wooden and cane containers (3312)	2924	4292	8114	8936	137.0	140.7	32.68	32.71	36.03	48.03
Other wood and cork products (3319)	3955	4490	12134	10535	267.8	139.8	31.18	26.89	37.60	42.62
Furniture and fixtures excl. those of metal (3320)	4011	4743	7494	8266	414.1	386.9	36.94	37.21	63.62	57.37
Pulp, paper and paperboard (3411)										
Containers of paper and paperboard (3412)	5192	8177	11689	33307	670.3	1455.6	34.14	46.03	44.42	24.65
Other pulp, paper or paperboard articles (3419)	4009	6509	10074	15796	371.5	581.9	34.63	38.07	39.80	41.21
Printing, publishing and allied industries (3420)	5432	8414	13212	19041	548.4	777.1	50.70	65.24	41.11	44.19
Basic chemicals excl. fertilizers (3511)	7800	12851	26392	58948	1249.8	3936.9	39.24	31.74	29.66	21.80
Fertilizers and pesticides (3512)										
Synthetic resins and plastic materials (3513)	7449	13236	29383	102527	1342.4	4178.9	26.90	36.18	26.36	12.91
Paints, varnishes and lacquers (3521)	7298	11323	26457	23239	1441.1	1206.1	36.83	31.27	27.69	48.72
Drugs and medicines (3522)	6255	10715	68859	179234	5383.2	14523.4	64.25	78.20	9.06	5.98
Soap, cleaning preps., perfumes, cosmetics (3523)	6908	9067	26327	19515	1064.0	794.4	48.36	47.72	26.24	46.46

a. The following ISIC combinations are reported: 3131B = 3131 + 3133
353A = 3530 + 3540
361A = 3610 + 3620

TABLE 17
continued

SELECTED CHARACTERISTICS OF INDUSTRIES IN ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry (ISIC code a)	Singapore									
	wages and salaries per employee (dollar)		value added per employee (dollar)		value added per establishment (1000 dollar)		value added as percentage of gross output		wages and salaries as percentage of value added	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Other chemical products (3529)	7577	12284	17638	64045	654.8	2198.9	37.29	36.75	42.96	19.18
Petroleum refineries & other petr. products (353A)	15467	20307	230124	106398	73451.5	32567.4	11.81	11.16	6.72	19.09
Tyres and tubes (3551)	3910		8558		355.8		40.82		45.69	
Other rubber products (3559)	4779	6545	10844	14215	823.9	621.5	8.06	22.36	44.07	46.05
Other plastic products (3560)	3751	5899	9651	13422	418.1	497.0	35.58	38.43	38.87	43.95
Pottery, china, earthenware, glass (361A)	5693	6308	15464	12451	1339.4	280.2	40.72	39.06	36.81	50.66
Structural clay products (3691)	6124	6820	21488	20069	1100.6	972.2	59.97	64.51	28.50	33.98
Cement, lime and plaster (3692)	8884	9984	78381	37383	7430.5	2641.7	22.61	22.62	11.33	26.71
Other non-metallic mineral products (3699)	6496	7265	22415	15315	1070.9	1092.0	34.89	32.48	28.90	47.44
Iron and steel (3710)	7493	11533	34347	40827	3852.9	3910.7	40.34	31.67	21.82	28.25
Non-ferrous metals (3720)	7874	9288	26919	27885	1089.0	1081.0	19.39	15.32	29.25	33.31
Cutlery, handtools and general hardware (3811)	4584	6592	11282	21999	678.8	1429.9	49.91	55.52	40.63	29.97
Furniture and fixtures primarily of metal (3812)	3883	5886	9380	9790	317.8	215.1	36.82	36.43	41.40	60.12
Structural metal products (3813)	5753	7217	14253	14915	474.4	357.8	29.68	27.18	40.36	48.39
Other metal products (3819)	4848	7180	13377	18617	865.8	1132.5	37.79	40.63	36.25	38.57
Engines and turbines (3821)	7133		16103		1070.9		26.76		44.29	
Agricultural machinery and equipment (3822)										
Metal and woodworking machinery (3823)	5170	7244	10190	13547	791.9	545.7	50.91	57.33	50.73	53.47
Other special industrial machinery (3824)	8297	12182	43023	34921	6810.5	2290.0	46.39	51.76	19.29	34.89
Office, computing and accounting machinery (3825)										
Other non-electrical machinery & equipment (3829)	5614	7737	13798	16320	805.6	777.6	45.47	40.95	40.69	47.40
Electrical industrial machinery (3831)	4255	5804	9973	14402	1165.1	1644.4	38.26	43.07	42.67	40.30
Radio, television & communication equipm. (3832)	3937	6513	11095	24516	4158.8	8952.5	28.38	32.90	35.49	26.57
Electrical appliances and housewares (3833)	3995	5982	12413	10714	5380.3	10712.3	34.28	21.68	32.19	55.60
Other electrical apparatus and supplies (3839)	5559	7600	13166	15719	1582.4	1964.1	37.82	42.57	42.22	38.86
Shipbuilding (3841)	7429	9004	19285	11711	2154.1	1280.0	51.25	40.47	38.52	51.97
Railroad equipment (3842)										
Motor vehicles (3843)	4874	7088	8840		569.9	762.2	33.10	44.99	55.14	60.90
Motorcycles and bicycles (3844)										
Aircraft (3845)	7582	10046	32965	60000	8356.5	13108.7	79.02	82.45	23.00	16.68
Other transport equipment (3849)	4964	8429	12366	23383	555.6	1052.2	43.19	44.62	40.14	36.06
Prof. and scientific equipment n.e.c. (3851)	3941	5188	9403	23903	866.1	2741.7	41.51	64.22	41.91	21.70
Photographic and optical goods (3852)	4847	6851	11164	17171	838.9	2015.6	63.98	68.64	43.41	39.78
Watches and clocks (3853)	3757	6039	8727	15310	1464.1	3005.2	26.27	48.20	43.05	39.41
Jewellery and related articles (3901)	5484	5258	14691	9034	394.3	240.7	17.08	16.42	37.33	58.20
Musical instruments (3902)										
Sporting and athletic goods (3903)										
Other manufactures (3909)	3480	5416	9115	14567	543.1	615.6	34.80	37.52	38.18	37.18

a. The following ISIC combinations are reported: 3131B = 3131 + 3133
353A = 3530 + 3540
361A = 3610 + 3620

TABLE 18

PER CAPITA TRADE IN GOODS AND SERVICES AND ITS GROWTH, ASEAN COUNTRIES, SELECTED COUNTRY GROUPS
AND JAPAN, AT CONSTANT 1980 PRICES

Country/country group	Imports per capita (in constant 1980 dollars)			Average annual growth rate of imports per capita (%)		Exports per capita (in constant 1980 dollars)			Average annual growth rate of exports per capita (%)	
	1965	1975	1989	1970-1980	1980-1989	1965	1975	1989	1970-1980	1980-1989
Indonesia	17	70	104	13.81	-1.78	65	134	152	6.29	0.26
Malaysia	339	531	1597	8.67	3.01	393	721	1926	6.97	7.31
Philippines	108	147	263	4.67	1.29	100	96	192	4.64	3.08
Singapore	2331	6111	20212	8.36	6.52	2096	5522	25763	10.14	10.78
Thailand	104	146	414	6.00	7.46	72	103	458	6.01	11.38
Total ASEAN	89	180	441	8.17	3.52	111	205	528	6.98	6.76
Non-ASEAN Asian DCs	52	131	267	10.89	2.34	127	259	271	1.46	1.12
Non-ASEAN DEM	141	299	623	7.24	3.64	136	236	718	7.58	7.62
Japan	451	1163	2203	3.90	4.89	278	828	2068	8.05	4.82

TABLE 19

DISTRIBUTION OF MANUFACTURED EXPORTS (SITC 5 TO 8, LESS 68) AMONG SELECTED DESTINATIONS
AT CURRENT PRICES, 1970, 1980 AND 1989

(Percentage)

ORIGIN OF EXPORTS	Year	DESTINATION OF EXPORTS									World
		ASEAN	Total, of which	Non-ASEAN Asian DCs			USA	EC	Japan	Other	
				Hong Kong	India	Rep. of Korea					
ASEAN	1970	26.92	8.99	3.56	0.86	0.21	27.97	14.49	10.46	11.17	100.00
	1980	19.98	14.63	5.47	0.85	0.64	22.29	19.73	9.40	13.97	100.00
	1989	19.67	11.58	5.21	0.86	2.14	31.65	15.21	9.78	12.11	100.00
Non-ASEAN Asian DCs	1970	3.36	11.19	1.49	0.22	0.23	32.12	20.46	5.39	27.48	100.00
	1980	4.62	18.47	2.24	0.66	0.15	24.00	23.69	7.67	21.55	100.00
	1989	5.54	7.99	3.76	0.65	0.80	32.50	19.82	14.00	20.15	100.00
Hong Kong	1970	4.52	2.64		0.01	0.15	43.39	25.25	2.80	21.40	100.00
	1980	5.37	5.43		0.13	0.31	14.00	30.03	2.75	22.42	100.00
	1989	5.32	2.68		0.19	0.70	33.43	20.95	5.38	32.24	100.00
India	1970	3.23	16.48	6.91		0.10	16.01	15.14	5.82	43.32	100.00
	1980	4.11	16.25	1.31		0.16	13.77	27.24	2.94	35.69	100.00
	1989	3.59	8.50	7.15		1.29	34.49	31.02	11.62	10.78	100.00
Rep. of Korea	1970	2.80	5.13	3.57	0.06		58.4	7.01	16.19	10.46	100.00
	1980	5.95	16.89	4.70	1.09		28.21	16.23	13.83	18.89	100.00
	1989	6.47	10.58	5.37	1.11		34.86	12.37	18.77	16.95	100.00
USA	1970	2.50	5.54	1.04	0.94	0.69		27.55	6.65	57.76	100.00
	1980	4.94	9.48	1.34	0.85	1.32		26.54	6.19	53.85	100.00
	1989	5.35	8.89	1.65	0.80	3.46		26.39	10.19	49.18	100.00
EC	1970	1.19	4.08	0.50	0.44	0.16	8.88	50.36	1.31	34.18	100.00
	1980	1.29	7.54	0.52	0.55	0.23	6.08	52.80	1.04	31.25	100.00
	1989	1.23	4.49	0.74	0.65	0.63	8.59	60.04	2.32	23.33	100.00
Japan	1970	9.36	11.58	3.56	0.55	3.57	31.30	11.65		35.61	100.00
	1980	10.00	19.53	3.56	0.67	3.91	24.85	13.96		31.66	100.00
	1989	9.31	14.20	4.04	0.73	5.86	34.43	17.68		24.38	100.00
Other	1970	1.40	4.96	1.31	1.05	0.06	24.15	32.65	3.10	33.74	100.00
	1980	1.58	6.13	1.69	0.61	0.23	16.58	30.13	2.58	42.60	100.00
	1989	2.78	8.4	5.09	0.32	0.88	30.02	30.68	5.61	22.44	100.00

TABLE 20

GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES

(Percentage)

		Indonesia									
		Average annual growth rate				Share in total manufactured trade					
Branch	ISIC code	Exports		Imports		1970	Exports		Imports		
		1970-80	1980-89	1970-80	1980-89		1980	1989	1970	1980	1989
Food products (311-2)		24.53	1.57	18.76	-3.80	69.34	31.83	12.07	20.38	11.10	5.05
Beverages (313)		14.96	38.89	24.57	-1.31	0.05	0.01	0.06	0.17	0.15	0.08
Tobacco (314)		5.61	51.00	28.19	-7.75	0.44	0.04	0.54	0.05	0.06	0.02
Textiles (321)		39.06	38.00	12.44	9.20	0.88	1.22	7.38	7.75	2.44	3.47
wearing apparel (322)		91.37	31.55	3.26	13.51	0.08	2.64	10.29	0.21	0.03	0.06
Leather and fur products (323)		34.41	30.28	16.82	37.22	0.20	0.20	0.70	0.06	0.02	0.24
Footwear (324)		53.54	80.60	13.50	29.09	0.01	0.02	1.56	0.08	0.03	0.19
Wood and cork products (331)		63.37	29.75	9.73	12.40	1.28	8.87	30.48	0.18	0.04	0.08
Furniture, fixtures excl. metal (332)		49.76	54.11	25.88	3.65	0.03	0.08	1.24	0.10	0.09	0.08
Paper (341)		147.88	50.22	25.82	8.49	-	0.13	1.64	2.52	2.45	3.28
Printing and publishing (342)		24.09	76.52	19.30	12.72	0.01	-	0.22	0.22	0.13	0.24
Industrial chemicals (351)		65.13	25.80	32.60	10.65	0.17	1.32	3.42	7.57	12.43	19.89
Other chemicals (352)		21.44	16.09	23.89	7.60	2.57	0.92	1.16	2.72	2.26	2.81
Petroleum refineries (353)		41.16	-2.85	48.30	-2.81	19.97	32.09	8.16	6.62	8.12	4.05
Prods. of petroleum and coal (354)		-20.63	159.87	35.15	3.89	-	-	0.04	0.26	0.51	0.46
Rubber products (355)		39.16	81.70	18.80	5.13	0.01	0.01	1.02	1.13	0.62	0.63
Plastic products (356)		58.55	59.20	31.40	6.26	0.01	0.03	0.63	0.22	0.34	0.37
Pottery, china, earthenware (361)		13.74	112.92	34.59	3.79	-	-	0.20	0.07	0.13	0.12
Glass (362)		98.15	44.09	22.45	6.72	-	0.08	0.68	0.46	0.34	0.39
Other non-metallic mineral prods. (369)		136.64	22.35	24.16	2.50	-	0.69	1.40	1.33	1.13	0.91
Iron and steel (371)		96.39	40.76	29.67	0.68	0.01	0.51	3.62	8.04	10.55	7.22
Non-ferrous metals (372)		53.49	5.97	30.77	5.64	4.28	15.90	8.83	1.50	2.15	2.27
Metal products (381)		33.12	37.20	29.91	-2.30	0.18	0.17	0.94	4.25	5.69	2.97
Non-electrical machinery (382)		51.78	21.34	26.29	9.07	0.06	0.20	0.37	16.55	16.68	23.46
Electrical machinery (383)		69.29	3.76	27.16	4.36	0.28	2.73	1.25	6.97	7.53	7.12
Transport equipment (384)		49.12	23.91	25.36	3.85	0.08	0.21	0.48	13.85	12.97	11.73
Prof. scient. equipment (385)		12.95	60.02	27.38	10.30	0.07	0.01	0.26	1.31	1.44	2.24
Other manufactures (390)		104.39	49.11	29.72	5.04	-	0.11	1.36	0.44	0.58	0.58
Total manufacturing (3)		34.62	13.12	27.00	5.01	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 20

GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES

(Percentage)

Malaysia										
Branch ISIC code	Average annual growth rate				Share in total manufactured trade					
	Exports		Imports		1970	Exports 1980	1988	1970	Imports 1980	1988
	1970-80	1980-88	1970-80	1980-88						
Food products (311-2)	28 01	5 89	15 16	3 28	19 69	27 66	19 67	17 55	8 55	6 77
Beverages (313)	19 18	8 80	18 09	-1 07	0 30	0 21	0 18	1 05	0 66	0 37
Tobacco (314)	-22 91	43 19	10 70	-10 34	0 61	0 01	0 04	0 78	0 26	0 07
Textiles (321)	41 00	6 95	15 52	8 97	0 85	3 14	2 42	6 65	3 35	4 06
Wearing apparel (322)	39 01	24 53	10 46	5 51	0 73	2 32	6 04	1 11	0 36	0 34
Leather and fur products (323)	31 70	25 83	18 14	5 66	0 01	0 02	0 05	0 18	0 11	0 11
Footwear (324)	38 36	4 16	19 31	11 93	0 13	0 38	0 24	0 09	0 06	0 09
Wood and cork products (331)	24 18	4 74	22 27	-3 57	13 28	13 76	8 97	0 30	0 27	0 12
Furniture, fixtures excl. metal (332)	41 88	16 14	23 80	9 24	0 07	0 29	0 43	0 12	0 12	0 15
Paper (34)	14 83	35 35	18 55	9 63	0 25	0 12	0 60	3 13	2 04	2 60
Printing and publishing (342)	9 37	19 26	13 76	5 47	0 41	0 12	0 22	1 20	0 52	0 48
Industrial chemicals (351)	35 27	21 38	27 09	8 65	0 57	1 39	2 94	6 42	8 39	9 95
Other chemicals (352)	16 71	12 81	19 23	8 78	0 98	0 55	0 65	3 21	2 22	2 66
Petroleum refineries (353)	4 45	11 97	32 95	-1 38	9 54	1 75	1 95	3 98	8 17	4 47
Prods. of petroleum and coal (354)	3 67	19 72	18 09	1 95	0 04	0 01	0 01	0 53	0 33	0 24
Rubber products (355)	22 19	15 35	21 75	5 35	0 76	0 67	0 94	0 54	0 46	0 43
Plastic products (356)	45 55	17 86	30 84	17 54	0 13	0 64	1 07	0 24	0 42	0 94
Pottery, china, earthenware (361)	29 97	31 25	17 65	3 32	0 04	0 06	0 25	0 39	0 23	0 18
Glass (362)	37 58	17 95	19 63	2 45	0 06	0 17	0 29	0 67	0 48	0 35
Other non-metallic mineral prods. (369)	7 67	27 53	27 60	-5 38	0 75	0 19	0 59	0 74	1 00	0 39
Iron and steel (371)	15 37	35 56	25 10	3 83	0 57	0 28	1 45	6 27	6 99	5 77
Non-ferrous metals (372)	13 70	-11 55	28 51	7 33	45 43	19 51	3 29	1 59	2 31	2 49
Metal products (381)	27 74	15 03	19 93	3 90	0 50	0 68	0 94	4 43	3 24	2 69
Non-electrical machinery (382)	23 46	24 28	24 38	5 59	1 54	1 50	3 85	14 06	14 81	13 98
Electrical machinery (383)	74 35	19 07	38 97	12 69	0 68	20 96	38 08	5 74	18 33	29 14
Transport equipment (384)	25 38	12 30	21 17	-1 72	1 64	1 87	2 13	16 50	13 37	7 12
Prof. scient. equipment (385)	43 55	14 84	29 12	11 13	0 24	1 04	1 41	1 36	2 08	2 95
Other manufactures (390)	38 82	19 30	20 39	9 30	0 23	0 71	1 31	1 17	0 89	1 10
Total manufacturing (3)	23 74	10 50	23 74	6 35	100 00	100 00	100 00	100 00	100 00	100 00

TABLE 20

GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES
(Percentage)

Branch (ISIC code)	Philippines				Share in total manufactured trade					
	Average annual growth rate				Share in total manufactured trade					
	Exports		Imports		1970	Exports	1988	1970	Imports	1988
	1970-80	1980-88	1970-80	1980-88		1980		1980		1988
Food products (311/2)	16.78	-7.12	14.56	6.68	75.60	49.98	23.29	8.36	6.49	10.21
Beverages (313)	2.44	16.74	18.84	3.63	0.28	0.05	0.14	0.71	0.79	0.99
Tobacco (314)	9.89	23.99	17.17	10.87	0.11	0.04	0.19	0.06	0.06	0.12
Textiles (321)	30.37	-0.06	19.67	10.25	1.21	2.41	2.02	2.56	3.08	6.29
Wearing apparel (322)	89.82	5.93	23.00	14.60	0.10	8.56	11.42	0.03	0.05	0.14
Leather and fur products (323)	27.32	10.44	42.12	7.28	0.20	0.31	0.57	0.03	0.17	0.28
Footwear (324)	44.69	-4.04	61.79	-11.28	0.23	1.31	0.79	0.01	0.16	0.06
Wood and cork products (331)	21.86	-0.08	7.18	13.62	12.12	12.27	10.26	0.09	0.04	0.10
Furniture, fixtures excl. metal (332)	49.12	11.91	30.66	4.93	0.24	1.82	3.77	0.02	0.04	0.06
Paper (341)	25.62	10.78	10.49	4.98	0.22	0.30	0.56	4.14	2.24	3.09
Printing and publishing (342)	35.44	22.62	17.52	-0.98	0.02	0.05	0.22	0.65	0.65	0.56
Industrial chemicals (351)	36.50	14.97	21.53	4.08	0.77	2.42	6.21	10.58	14.83	19.13
Other chemicals (352)	20.43	7.89	14.88	4.36	0.36	0.33	0.51	4.08	3.26	4.29
Petroleum refineries (353)	9.77	17.27	35.65	-13.82	3.19	1.14	3.42	1.82	7.68	2.19
Prods. of petroleum and coal (354)	-34.28	14.29	17.14	-3.56	0.54	-	-	0.73	0.71	0.50
Rubber products (355)	38.79	11.71	23.40	0.58	0.03	0.11	0.23	0.63	1.02	1.01
Plastic products (356)	78.24	-2.39	15.05	14.33	0.03	1.58	1.09	0.28	0.23	0.62
Pottery, china, earthenware (361)	31.80	1.96	15.78	-4.67	0.18	0.40	0.39	0.16	0.14	0.09
Glass (362)	28.25	13.36	28.83	-4.59	0.09	0.15	0.35	0.43	1.09	0.70
Other non-metallic mineral prods (369)	31.98	-21.00	19.67	-0.62	0.64	1.45	0.18	0.64	0.77	0.59
Iron and steel (371)	15.60	3.41	13.29	2.25	2.51	1.52	1.68	12.94	8.98	10.06
Non-ferrous metals (372)	59.06	9.76	13.58	1.97	0.31	4.51	8.00	3.23	2.30	2.57
Metal products (381)	52.64	6.06	10.60	-4.88	0.11	1.09	1.47	6.19	3.38	2.12
Non-electrical machinery (382)	35.74	15.68	16.14	-3.45	0.16	0.47	1.28	19.92	17.73	12.55
Electrical machinery (383)	115.19	30.12	19.31	6.67	0.01	2.32	16.05	6.37	7.43	11.68
Transport equipment (384)	75.77	-7.29	17.52	-6.10	0.03	1.06	0.49	13.74	13.78	7.81
Prof. scient. equipment (385)	92.87	-15.68	25.60	-4.78	0.01	0.91	0.19	1.15	2.25	1.42
Other manufactures (390)	43.85	7.61	21.72	1.96	0.65	3.46	5.23	0.46	0.66	0.72
Total manufacturing (3)	21.72	2.18	17.49	8.14	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 20

GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES

(Percentage)

Branch - ISIC code	Singapore				Share in total manufactured trade					
	Average annual growth rate									
	Exports 1970-80	Exports 1980-89	Imports 1970-80	Imports 1980-89	1970	Exports 1980	1989	1970	Imports 1980	1989
Food products (311-2)	21.34	2.53	19.39	2.97	16.52	7.37	3.46	11.54	7.91	3.94
Beverages (313)	14.88	19.99	15.58	12.35	0.87	0.23	0.44	0.94	0.47	0.51
Tobacco (314)	5.70	33.70	7.61	26.52	1.13	0.13	0.65	0.89	0.21	0.68
Textiles (321)	21.48	8.75	12.60	7.15	5.39	2.43	1.94	14.26	5.44	3.88
wearing apparel (322)	30.15	14.14	20.52	18.90	3.00	2.70	3.33	1.17	0.88	1.61
Leather and fur products (323)	18.97	13.35	24.71	16.92	0.29	0.11	0.12	0.35	0.37	0.58
Footwear (324)	20.06	3.22	36.06	9.21	0.32	0.13	0.06	0.10	0.26	0.22
Wood and cork products (331)	25.46	2.58	29.66	2.09	5.36	3.34	1.58	1.12	1.76	0.81
Furniture, fixtures excl. metal (332)	44.28	11.91	32.01	15.56	0.18	0.45	0.46	0.11	0.21	0.30
Paper (341)	24.55	18.09	20.49	11.05	0.62	0.36	0.60	1.83	1.38	1.35
Printing and publishing (342)	22.01	15.62	18.27	9.76	0.94	0.44	0.62	0.81	0.50	0.43
Industrial chemicals (351)	34.82	20.97	28.99	13.95	2.02	2.58	5.38	3.72	5.53	6.86
Other chemicals (352)	29.59	13.21	21.60	11.09	1.92	1.66	1.90	3.09	2.54	2.51
Petroleum refineries (353)	31.33	2.42	20.51	6.36	35.66	35.08	16.32	10.59	7.96	5.31
Prods. of petroleum and coal (354)	28.09	10.25	8.83	15.26	0.18	0.14	0.13	0.29	0.08	0.11
Rubber products (355)	22.70	13.38	23.91	17.57	0.63	0.31	0.37	0.71	0.70	1.16
Plastic products (356)	43.18	15.81	29.67	18.71	0.29	0.68	0.96	0.38	0.60	1.07
Pottery, china, earthenware (361)	4.81	20.27	21.39	11.08	0.41	0.04	0.08	0.38	0.31	0.30
Glass (362)	24.72	11.88	25.39	10.08	0.39	0.23	0.24	0.52	0.58	0.53
Other non-metallic mineral prods (369)	33.64	0.53	26.83	3.78	0.34	0.39	0.16	1.09	1.37	0.73
Iron and steel (371)	32.29	8.62	23.94	6.88	1.32	1.40	1.11	5.62	5.60	3.90
Non-ferrous metals (372)	46.77	11.97	28.03	16.56	0.70	2.09	2.17	1.20	1.66	2.52
Metal products (381)	24.93	12.71	22.06	8.73	2.42	1.45	1.59	3.82	3.26	2.65
Non-electrical machinery (382)	35.67	25.70	25.39	13.99	5.37	7.31	23.08	13.07	14.62	18.19
Electrical machinery (383)	48.07	14.58	33.45	15.61	6.17	20.15	25.75	8.75	18.32	25.87
Transport equipment (384)	32.99	7.29	28.41	7.87	5.28	5.88	4.16	8.43	11.96	9.05
Prof. scient. equipment (385)	42.04	13.33	25.78	10.84	0.88	1.89	2.19	3.29	3.80	3.67
Other manufactures (390)	27.73	12.94	22.92	7.40	1.36	1.01	1.14	1.88	1.72	1.25
Total manufacturing (3)	31.55	11.50	23.99	11.26	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 20

GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES
(Percentage)

Branch ISIC code	Thailand				Share in total manufactured trade					
	Average annual growth rate									
	Exports		Imports		Exports		Imports			
	1970-80	1980-87	1970-80	1980-87	1970	1980	1987	1970	1980	1987
Food products (311-2)	25.48	7.87	22.07	0.05	54.48	39.52	30.17	3.90	5.18	3.26
Beverages (313)	14.77	25.54	30.92	4.48	0.11	0.63	0.07	0.18	0.49	0.41
Tobacco (314)		35.43	41.75	5.70				0.01	0.06	0.06
Textiles (321)	31.58	10.16	8.02	14.48	7.42	8.65	7.65	7.14	2.80	4.50
wearing apparel (322)	75.73	27.95	-5.04	20.41	0.32	6.74	17.00	0.40	0.04	0.10
Leather and fur products (323)	45.64	34.81	12.70	33.33	0.19	0.64	2.32	0.09	0.05	0.25
Footwear (324)	113.55	48.99	8.56	15.92		0.23	1.65	0.05	0.02	0.03
Wood and cork products (331)	23.22	13.91	32.88	9.17	2.92	1.76	1.97	0.25	0.77	0.84
Furniture, fixtures excl. metal (332)	110.88	21.25	11.63	10.62	0.01	0.75	1.29	0.12	0.06	0.08
Paper (341)	41.43	28.66	17.68	6.54	0.11	0.26	0.68	2.69	2.48	2.41
Printing and publishing (342)	62.10	18.39	9.77	8.10	0.01	0.05	0.08	0.54	0.25	0.27
Industrial chemicals (351)	40.33	24.81	23.29	8.99	0.31	0.89	1.46	9.39	13.78	15.72
Other chemicals (352)	40.20	15.15	13.57	6.60	0.24	0.53	0.64	5.31	3.43	3.35
Petroleum refineries (353)	7.76	33.44	24.35	-3.86	0.64	0.10	0.34	8.90	14.24	6.75
Prods. of petroleum and coal (354)	10.96	12.64	16.60	4.31	0.05	0.01	0.01	0.52	0.44	0.37
Rubber products (355)	39.58	14.73	11.20	16.11	0.41	0.85	1.01	0.92	0.48	0.65
Plastic products (356)	55.30	25.71	16.27	19.40	0.16	0.99	2.21	0.67	0.46	1.00
Pottery, china, earthenware (361)	60.38	22.06	14.75	12.84	0.02	0.15	0.27	0.39	0.28	0.41
Glass (362)	56.60	27.21	15.41	4.51	0.03	0.17	0.41	0.48	0.36	0.31
Other non-metallic mineral prods. (369)	14.81	15.65	25.72	10.19	1.79	0.53	0.66	0.84	1.51	0.44
Iron and steel (371)	32.88	10.28	19.21	8.77	0.98	1.26	1.13	7.84	8.22	9.25
Non-ferrous metals (372)	25.77	-23.64	22.88	1.98	26.43	19.61	1.33	2.24	3.19	2.28
Metal products (381)	47.92	12.66	11.88	5.85	0.37	1.37	1.42	5.18	2.88	2.68
Non-electrical machinery (382)	56.67	44.66	15.77	10.40	0.10	0.67	3.96	17.24	13.48	16.82
Electrical machinery (383)	95.87	16.95	20.85	12.95	0.13	8.37	11.25	8.11	9.74	14.26
Transport equipment (384)	67.45	16.28	17.58	1.23	0.03	0.40	0.51	13.68	12.60	8.50
Prof. scient. equipment (385)	40.69	13.89	19.23	11.24	0.28	0.63	0.70	1.76	1.85	2.43
Other manufactures (390)	39.00	23.30	15.47	21.40	2.48	5.01	9.76	1.27	0.97	2.35
Total manufacturing (3)	29.57	12.11	18.65	6.96	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 21

MAIN MANUFACTURED EXPORTS BASED ON CURRENT VALUE, ASEAN COUNTRIES, SELECTED YEARS a/

INDONESIA						
Industry (ISIC code)	Comparison to earlier years:					
	Percent of manufactured export, 1989	Rank, 1989	Percent of manufactured export, 1980	Rank, 1980	Percent of manufactured export, 1970	Rank, 1970
Sawmills, planing and other wood mills (3311)	29.90	1	8.76	5	1.20	9
Wearing apparel except footwear (3220)	10.29	2	2.64	7	0.08	19
Non-ferrous metals (3720)	8.83	3	16.90	2	4.28	5
Petroleum refineries (3530)	8.16	4	32.09	1	19.97	4
Spinning, weaving and finishing textiles (3211)	6.31	5	1.09	10	0.87	11
Grain mill products (3116)	2.92	8	11.81	3	20.86	3
Vegetable and animal oils and fats (3115)	4.63	6	9.33	4	22.66	1
Other food products (3121)	2.67	9	8.48	6	21.22	2

a/ For comparison purposes the five most important product groups in any one year are listed for all selected years.

TABLE 21

MAIN MANUFACTURED EXPORTS BASED ON CURRENT VALUE, ASEAN COUNTRIES, SELECTED YEARS a/

MALAYSIA						
Industry (ISIC code)	Percent of manufactured export, 1988	Rank, 1988	Comparison to earlier years:			
			Percent of manufactured export, 1980	Rank, 1980	Percent of manufactured export, 1970	Rank, 1970
Radio, TV and communication equipment (3832)	34.93	1	19.16	3	0.21	31
Vegetable and animal oils and fats (3115)	16.88	2	24.57	1	14.06	2
Sawmills, planing and other wood mills (3311)	8.83	3	13.30	4	12.72	3
Wearing apparel except footwear (3220)	6.04	4	2.32	6	0.73	8
Non-ferrous metals (3720)	3.29	5	19.51	2	45.43	1
Spinning, weaving and finishing textiles (3211)	2.02	8	2.85	5	0.66	9
Petroleum refineries (3530)	1.95	9	1.75	7	9.54	4
Canning, preserving of fruits & vegetables (3113)	0.27	35	0.43	19	1.65	5

a/ For comparison purposes the five most important product groups in any one year are listed for all selected years.

TABLE 21

MAIN MANUFACTURED EXPORTS BASED ON CURRENT VALUE, ASEAN COUNTRIES, SELECTED YEARS ^{a/}

PHILIPPINES						
Industry (ISIC code)	Percent of manufactured export, 1988	Rank, 1988	Comparison to earlier years			
			Percent of manufactured export, 1980	Rank, 1980	Percent of manufactured export, 1970	Rank, 1970
Radio, TV and communication equipment (3832)	13.58	1	2.00	9	0.002	59
Vegetable and animal oils and fats (3115)	12.74	2	20.22	2	24.600	2
wearing apparel except footwear (3220)	11.42	3	8.56	4	0.100	30
Non-ferrous metals (3720)	8.00	4	4.51	5	0.310	16
Sawmills, planing and other wood mills (3311)	7.90	5	10.82	3	11.370	3
Sugar factories and refineries (3118)	1.94	13	20.29	1	43.570	1
Petroleum refineries (3530)	3.42	9	1.14	16	3.190	5
Canning, preserving of fruits & vegetables (3113)	2.97	10	2.87	8	4.750	4

^{a/} For comparison purposes the five most important product groups in any one year are listed for all selected years.

TABLE 21

MAIN MANUFACTURED EXPORTS BASED ON CURRENT VALUE, ASEAN COUNTRIES, SELECTED YEARS a/

SINGAPORE						
Industry (ISIC code)	Percent of manufactured export, 1989	Rank, 1989	Comparison to earlier years			
			Percent of manufactured export, 1980	Rank, 1980	Percent of manufactured export, 1970	Rank, 1970
Radio, TV and communication equipment (3832)	21.03	1	16.80	2	2.66	10
Petroleum refineries (3530)	16.32	2	36.08	1	35.66	1
Office, computing and accounting machinery (3825)	16.17	3	0.98	17	1.32	16
Other non-electrical mach. and equipment (3829)	4.26	4	3.12	5	1.29	16
wearing apparel except footwear (3220)	3.33	5	2.70	7	3.00	8
Vegetable and animal oils and fats (3115)	1.43	14	3.79	3	5.03	3
Sawmills, planing and other wood mills (3311)	1.62	12	3.27	4	6.31	2
Spinning, weaving and finishing textiles (3211)	1.44	13	2.04	10	4.77	4
Motor vehicles (3843)	0.98	19	1.69	12	4.14	5

a/ For comparison purposes the five most important product groups in any one year are listed for all selected years.

TABLE 21

MAIN MANUFACTURED EXPORTS BASED ON CURRENT VALUE, ASEAN COUNTRIES, SELECTED YEARS a/

THAILAND						
Industry (ISIC code)	Percent of manufactured export, 1987	Rank, 1987	Comparison to earlier years:			
			Percent of manufactured export, 1980	Rank, 1980	Percent of manufactured export, 1970	Rank, 1970
Wearing apparel except footwear (3220)	17.00	1	6.74	3	0.32	19
Grain mill products (3116)	11.21	2	26.38	1	46.58	1
Jewellery and related articles (3901)	8.40	3	4.45	6	2.36	7
Radio, TV and communication equipment (3832)	7.06	4	1.54	11	0.04	42
Canning, preserving & processing of fish (3114)	6.43	5	2.27	8	0.25	23
Spinning, weaving and finishing textiles (3211)	6.10	6	6.74	4	2.42	6
Non-ferrous metals (3720)	1.34	16	19.61	2	25.43	2
Electrical industrial machinery (3831)	0.63	31	4.77	5	0.03	47
Other textiles (3219)	0.16	53	0.12	48	3.75	3
Sawmills, planing and other wood mills (3311)	1.08	20	0.68	19	2.48	4

a/ For comparison purposes the five most important product groups in any one year are listed for all selected years.

TABLE 22

MAIN TRADING PARTNERS OF ASEAN COUNTRIES FOR SELECTED BRANCHES AND YEARS IN CURRENT VALUES
(Percentage)

Indonesia

Branch (ISIC code)	Imports						Exports					
	1970		1980		1989		1970		1980		1989	
	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total
Food processing (ISIC 311)	North America	56.13	ASEAN	32.00	ASEAN	42.35	EC	43.95	EC	48.68	EC	42.22
	Japan	12.35	Asian developing	17.39	China	10.08	North America	35.45	North America	20.50	North America	12.67
	EC	9.38	North America	9.99	EC	9.64	Japan	7.79	Japan	8.83	Japan	11.37
Textiles (ISIC 321)	Japan	48.26	Japan	36.80	Asian developing	50.82	ASEAN	86.90	ASEAN	29.99	EC	25.99
	Asian developing	23.19	Asian developing	33.86	Japan	16.28	Asian developing	8.09	Middle East	27.64	ASEAN	22.15
	North America	12.21	China	11.36	North America	12.72			Japan	16.53	Middle East	12.00
Wearing apparel (ISIC 322)	Asian developing	30.25	North America	28.98	Asian developing	20.46	EC	46.20	EC	37.95	North America	51.94
	North America	28.10	ASEAN	16.49	EC	17.76	North America	41.09	ASEAN	31.02	EC	27.49
	Japan	18.81	Australia	15.74	ASEAN	14.59			Asian developing	11.38		
Wood products (ISIC 331)	Japan	30.80	Japan	26.42	North America	26.41	EC	63.02	EC	36.97	Japan	37.79
	Other Europe	19.21	North America	23.40	Japan	22.05	Other Europe	22.08	ASEAN	29.53	EC	13.04
	ASEAN	16.54	ASEAN	22.34	Other Europe	21.12			Japan	11.18	Asian developing	11.74
Petrochemical products (ISIC 353)	Japan	27.56	ASEAN	91.52	ASEAN	64.49	Japan	65.23	Japan	80.77	Japan	79.10
	ASEAN	23.39	North America	3.52	Middle East	19.28	ASEAN	16.09	North America	12.33	North America	15.21
	North America	11.38			North America	6.46						
Non-electrical machinery (ISIC 382)	North America	32.71	Japan	36.67	Japan	30.22	*		ASEAN	58.34	North America	34.12
	Japan	31.61	EC	23.80	EC	22.72			EC	28.54	ASEAN	24.33
	EC	23.16	North America	19.19	North America	17.74					Middle East	8.63
Electrical machinery (ISIC 383)	EC	38.14	Japan	41.74	EC	30.11	*		ASEAN	88.04	ASEAN	23.29
	Japan	37.03	EC	30.84	Japan	21.54					North America	19.64
	North America	14.89	North America	11.49	North America	17.65					EC	12.46
										Japan	12.37	
Transport equipment (ISIC 384)	North America	33.53	Japan	66.30	Japan	58.22	*		ASEAN	53.86	ASEAN	40.44
	Japan	32.01	EC	17.36	North America	18.35			EC	41.27	EC	23.06
	EC	17.14	North America	9.22	EC	9.38					China	10.15
										Asian developing	10.13	

* Data insufficient

TABLE 22

MAIN TRADING PARTNERS OF ASEAN COUNTRIES FOR SELECTED BRANCHES AND YEARS IN CURRENT VALUES

(Percentage)

Malaysia												
Branch ISIC code	Imports						Exports					
	1970		1980		1989		1970		1980		1989	
	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total
Food processing (ISIC 311)	ASEAN	25.63	ASEAN	16.07	ASEAN	28.46	ASEAN	33.52	ASEAN	29.80	Asian developing	27.14
	China	14.96	Australia	23.92	Australia	19.32	EC	31.30	Asian developing	22.61	ASEAN	21.27
	Australia	12.08	EC	11.49	Other developed	11.79	North America	12.76	EC	19.95	EC	15.84
Textiles (ISIC 321)	Japan	45.85	Asian developing	38.58	Asian developing	36.53	ASEAN	40.04	EC	24.71	ASEAN	20.76
	Asian developing	15.93	Japan	24.05	Japan	17.62	EC	21.64	Asian developing	18.74	EC	19.24
	China	10.47	ASEAN	8.12	ASEAN	11.64	North America	15.35	ASEAN	13.15	Japan	15.76
Wearing apparel (ISIC 322)	Asian developing	41.76	Asian developing	43.67	Asian developing	36.98	North America	72.54	EC	55.17	North America	60.26
	ASEAN	19.51	ASEAN	27.73	ASEAN	33.84	ASEAN	19.28	North America	22.61	EC	27.84
	Japan	13.58	China	10.97	China	10.90						
Wood products (ISIC 331)	ASEAN	23.16	ASEAN	69.09	ASEAN	39.96	EC	43.00	EC	37.72	EC	32.73
	Asian developing	18.20	China	7.37	North America	12.44	North America	13.92	ASEAN	24.31	ASEAN	22.21
	Japan	17.33	Asian developing	6.60	China	11.78	Japan	12.77	Middle East	12.21	Japan	10.48
	China	15.43	EC	6.34	Japan	8.92	Australia	10.01	Japan	7.42	Australia	7.68
Petrochemical products (ISIC 353)	ASEAN	61.48	ASEAN	91.16	ASEAN	90.86	ASEAN	90.11	ASEAN	79.97	Japan	50.33
	Middle East	20.14	Middle East	4.24	Middle East	4.15			EC	6.38	ASEAN	46.73
	EC	8.02										
Non-electrical machinery (ISIC 382)	EC	38.76	Japan	38.14	Japan	39.02	ASEAN	87.05	ASEAN	42.97	ASEAN	45.77
	Japan	25.34	EC	26.63	EC	19.85	Asian developing	8.88	Australia	15.10	North America	19.96
	North America	22.84	North America	18.34	North America	18.92			Asian developing	9.90	Asian developing	9.64
Electrical machinery (ISIC 383)	EC	41.11	North America	41.00	North America	33.54	ASEAN	50.90	North America	51.61	North America	42.17
	Japan	38.22	Japan	20.85	Japan	25.83	Middle East	24.97	ASEAN	18.38	ASEAN	22.28
			ASEAN	16.53	ASEAN	20.99			ASEAN	16.26	EC	16.19
Transport equipment (ISIC 384)	EC	49.88	Japan	50.56	Japan	47.56	ASEAN	82.29	EC	62.19	ASEAN	50.64
	Japan	23.66	EC	26.24	North America	27.11	Asian developing	10.81	ASEAN	13.26	EC	21.87
	North America	19.95	North America	14.30	EC	16.83			Other developed	12.31	North America	9.93

TABLE 22

MAIN TRADING PARTNERS OF ASEAN COUNTRIES FOR SELECTED BRANCHES AND YEARS IN CURRENT VALUES

(Percentage)

Philippines												
Branch (ISIC code)	Imports						Exports					
	1970		1980		1989		1970		1980		1989	
Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	
Food processing (ISIC 311)	EC	26.45	Other developed	19.91	North America	23.22	North America	86.47	North America	31.69	North America	47.31
	Japan	20.93	South America	17.53	EC	18.01	EC	8.60	EC	20.84	EC	33.39
	North America	18.83	EC	16.57	China	17.33	Japan	3.65	Japan	12.60	Japan	4.83
	Australia	15.81	North America	15.45	Australia	11.38						
Textiles (ISIC 321)	Japan	54.26	Asian developing	40.66	Asian developing	56.49	North America	51.19	Asian developing	36.50	North America	40.86
	North America	23.08	Japan	22.28	Japan	8.30	EC	15.88	North America	29.23	EC	20.83
							ASEAN	11.18	EC	13.96	Asian developing	15.44
Wearing apparel (ISIC 322)	North America	65.88	Asian developing	25.90	Asian developing	38.92	North America	63.64	EC	37.14	North America	54.25
	Australia	10.57	North America	22.09	ASEAN	14.99	Japan	11.54	North America	30.82	EC	30.04
	Asian developing	5.36	ASEAN	15.12	EC	9.90	ASEAN	10.71				
Wood products (ISIC 331)	EC	74.43	EC	47.78	ASEAN	70.27	North America	76.02	EC	37.02	EC	41.97
	North America	22.59	North America	23.08	Asian developing	10.49	Japan	7.15	North America	30.08	North America	33.99
			Japan	14.71	EC	8.42	EC	4.80	Japan	14.47	Japan	18.22
Petrochemical products (ISIC 353)	North America	50.17	Middle East	72.02	ASEAN	41.98	ASEAN	36.87	ASEAN	66.42	Japan	59.28
	Japan	15.55	ASEAN	11.29	Middle East	31.23	Asian developing	27.21	Central America	21.75	Asian developing	20.80
	EC	11.51					Japan	25.46				
Non-electrical machinery (ISIC 382)	North America	35.60	North America	36.60	Japan	26.75	ASEAN	55.31	North America	33.36	North America	38.21
	Japan	30.50	Japan	28.49	North America	25.00	Australia	19.57	ASEAN	18.80	Asian developing	25.08
	EC	25.60	EC	22.75	EC	22.30			Australia	17.92		
Electrical machinery (ISIC 383)	North America	44.29	North America	34.87	North America	35.33	ASEAN	77.90	North America	51.19	North America	46.71
	Japan	27.85	Japan	27.15	Japan	27.45	North America	22.10	Asian developing	23.82	ASEAN	18.87
	EC	22.01	EC	23.56	EC	15.20			ASEAN	12.41	EC	17.91
Transport equipment (ISIC 384)	Japan	36.78	Japan	46.75	Japan	58.49	ASEAN	88.11	EC	32.62	Japan	47.95
	North America	36.65	North America	26.73	EC	25.99	Japan	6.64	Australia	17.88	ASEAN	17.71
	EC	19.70	EC	16.84	North America	8.63			Japan	16.13	North America	15.91

TABLE 22

MAIN TRADING PARTNERS OF ASEAN COUNTRIES FOR SELECTED BRANCHES AND YEARS IN CURRENT VALUES

(Percentage)

Singapore												
Branch ISIC code	Imports						Exports					
	1970 Country/ country group	Share in total	1980 Country/ country group	Share in total	1989 Country/ country group	Share in total	1970 Country/ country group	Share in total	1980 Country/ country group	Share in total	1989 Country/ country group	Share in total
Food processing ISIC 311	ASEAN	39.15	ASEAN	51.92	ASEAN	41.53	EC	29.46	Asian developing	27.69	Asian developing	27.32
	EC	10.18	Australia	6.96	EC	10.89	ASEAN	22.22	Middle East	20.28	ASEAN	14.51
	China	9.57	EC	6.51	China	9.90	North America	15.80	ASEAN	18.80	Middle East	10.26
	Australia	8.72	North America	6.25	Australia	9.76	Asian developing	9.11	EC	8.19	China	10.08
Textiles ISIC 321	Japan	48.80	Asian developing	35.46	Asian developing	49.13	ASEAN	67.41	ASEAN	26.67	ASEAN	42.68
	Asian developing	15.50	Japan	25.70	Japan	13.09	EC	7.58	Asian developing	24.99	Asian developing	21.88
	China	13.25	China	14.17	China	12.21	North America	5.81	Middle East	8.87	Middle East	4.35
Wearing apparel ISIC 322	Asian developing	30.98	ASEAN	34.75	ASEAN	55.83	North America	41.29	EC	37.16	North America	65.12
	ASEAN	17.29	Asian developing	23.33	Asian developing	18.47	ASEAN	22.81	North America	34.57	EC	23.59
	Japan	17.01	China	9.24	EC	11.16	EC	7.88	Other Europe	8.34		
	China	16.29	EC	8.11	China	4.78						
Wood products	ASEAN	71.09	ASEAN	87.62	ASEAN	81.80	EC	41.15	EC	38.80		34.23
	Asian developing	9.97	Asian developing	4.62	Asian developing	4.47	Africa	18.32	Middle East	26.41	Middle East	12.44
							Japan	10.55	Africa	7.89	Japan	10.78
							Middle East	9.39			Asian developing	10.42
Petrochemical products ISIC 353	Middle East	45.53	Middle East	50.12	Middle East	61.37	Japan	17.90	Asian developing	28.27	ASEAN	26.89
	ASEAN	33.28	North America	10.19	ASEAN	9.57	ASEAN	17.76	ASEAN	22.76	Japan	20.36
			ASEAN	7.15	China	9.20	EC	12.57	Japan	18.20	Asian developing	19.15
Non-electrical machinery ISIC 382	North America	39.4	North America	33.58	North America	29.35	ASEAN	64.55	ASEAN	39.95	North America	45.58
	EC	28.34	Japan	33.55	Japan	27.63	North America	16.83	North America	18.48	ASEAN	16.63
	Japan	21.21	EC	21.06	EC	14.49			Asian developing	11.21	EC	15.54
					ASEAN	10.97						
Electrical machinery ISIC 383	Japan	32.05	Japan	34.50	Japan	35.72	North America	43.76	North America	34.79	North America	31.78
	EC	31.39	North America	27.00	ASEAN	22.80	ASEAN	18.47	EC	19.57	EC	19.94
	North America	21.65	ASEAN	14.71	North America	17.02	Asian developing	13.78	ASEAN	17.37	ASEAN	18.45
Transport equipment ISIC 384	EC	38.62	North America	35.65	North America	35.94	ASEAN	70.09	North America	27.63	North America	25.11
	Japan	24.29	Japan	31.00	Japan	24.65	Asian developing	14.12	ASEAN	27.00	Other Europe	15.29
	North America	20.43	EC	18.03	EC	24.03	North America	4.36	Central America	9.92	EC	14.91
										ASEAN	13.02	

TABLE 22

MAIN TRADING PARTNERS OF ASEAN COUNTRIES FOR SELECTED BRANCHES AND YEARS IN CURRENT VALUES
(Percentage)

Thailand												
Branch ISIC code	Imports						Exports					
	1970		1980		1989		1970		1980		1989	
	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total	Country/ country group	Share in total
Food processing ISIC 311	EC	26.37	ASEAN	26.70	China	31.89	ASEAN	34.26	ASEAN	25.37	North America	17.95
	Australia	19.03	EC	14.38	EC	24.95	Asian developing	23.74	Middle East	12.85	Japan	16.15
	North America	13.64	Asian developing	10.29	Japan	10.70	Middle East	10.70	EC	10.15	EC	12.06
Textiles ISIC 321	Japan	57.62	Asian developing	38.34	Asian developing	46.72	Japan	32.54	EC	32.19	EC	28.73
	USSR	11.15	Japan	33.98	China	26.29	EC	25.97	Asian developing	15.40	North America	17.85
	EC	8.43	China	9.36	Japan	12.55	ASEAN	17.12	Japan	11.83	Asian developing	12.86
									ASEAN	10.95	Middle East	12.50
Wearing apparel ISIC 322	Japan	26.31	Asian developing	29.65	China	34.43	North America	69.70	EC	38.57	EC	29.85
	Asian developing	23.05	Japan	21.42	Asian developing	27.52	EC	5.73	North America	25.71	North America	23.60
	EC	16.06	North America	19.23	EC	13.25			Middle East	17.98	Middle East	18.64
	North America	13.86	EC	11.66	Japan	7.67						
Wood products ISIC 331	Lao, P. D. R.	40.49	ASEAN	87.87	ASEAN	53.15	EC	29.14	EC	35.01	North America	29.46
	EC	26.13	EC	3.69			North America	25.60	North America	22.83	EC	21.39
	ASEAN	9.96					Other Europe	10.19	Japan	16.09	Japan	21.03
Petrochemical products ISIC 353	Middle East	45.77	ASEAN	56.50	ASEAN	84.84	Asian developing	96.44	Asian developing	31.86	*	
	ASEAN	19.53	China	11.83	Middle East	3.95			ASEAN	25.99		
	Africa	14.40	Middle East	9.40	China	3.29			Middle East	15.51		
Non-electrical machinery ISIC 382	Japan	37.72	Japan	36.14	Japan	40.91	ASEAN	63.80	ASEAN	39.90	ASEAN	35.51
	EC	32.46	EC	26.72	EC	19.50	*		Asian developing	28.10	Japan	25.05
	North America	19.83	North America	13.97	ASEAN	12.70			Middle East	12.27	North America	19.62
Electrical machinery ISIC 383	Japan	43.72	North America	41.82	North America	41.15			ASEAN	59.09	ASEAN	51.14
	EC	30.70	Japan	26.25	Japan	26.01	*		North America	24.43	North America	31.75
	North America	10.40	EC	16.37	EC	14.39						
Transport equipment ISIC 384	Japan	57.60	Japan	52.93	Japan	78.51	ASEAN	65.29	ASEAN	65.70	ASEAN	33.74
	EC	25.26	North America	32.86	EC	13.11	*		EC	7.16	North America	17.44
										EC	16.47	

* Data insufficient

TABLE 23

NET EXPORTS AS PERCENTAGE OF TOTAL TRADE, ASEAN COUNTRIES, 1970, 1980 AND THE LATEST YEAR

S.I.C. code	Indonesia			Malaysia			Philippines			Singapore			Thailand		
	1970	1980	1989	1970	1980	1988	1970	1980	1988	1970	1980	1989	1970	1980	1987
Food products (311/2)	-17.0	6.5	30.0	-13.6	37.2	45.5	61.2	66.8	24.9	-12.5	-4.5	-6.4	55.8	64.6	77.4
Beverages (313)	-88.8	-94.8	-27.1	-67.4	-64.8	-37.3	-69.3	-92.1	-80.7	-33.0	-35.7	-7.7	-73.8	-92.2	-74.4
Tobacco (314)	31.0	-57.0	91.8	-30.3	-97.1	-24.4	-3.6	-34.2	9.0	-18.2	-26.7	-2.5		-99.4	-97.0
Textiles (321)	-1.8	-66.8	24.5	-84.0	-22.3	-29.3	-64.2	-32.2	-62.0	-66.9	-39.0	-33.3	-58.3	30.7	18.1
Wearing apparel (322)	-85.8	94.7	98.5	-58.7	62.9	88.6	17.2	69.1	96.6	16.2	49.9	34.9	-66.3	97.9	98.6
Leather and fur products (323)	-6.5	56.2	38.2	-93.3	-81.3	-41.1	56.5	9.1	20.4	-38.1	-56.3	-65.0	-31.9	75.5	77.1
Footwear (324)	-97.1	-52.2	73.1	-0.9	62.3	41.6	88.5	68.5	81.9	25.8	-34.6	-54.7	-98.5	76.1	95.1
Wood and cork products (331)	18.9	97.4	99.3	93.5	94.4	97.1	96.6	99.0	97.4	44.2	30.1	32.0	49.6	16.6	30.5
Furniture, fixtures excl. metal (332)	-89.2	-51.1	83.9	-41.8	23.0	44.6	75.9	92.9	95.7	-8.4	34.4	21.1	-97.6	75.8	86.5
Paper (341)	-100.0	-95.9	-44.0	-89.7	-92.4	-64.8	-95.3	-84.0	-76.5	-69.0	-69.3	-38.5	-98.0	-83.0	-61.5
Printing and publishing (342)	-98.5	-97.7	-16.7	-62.4	-73.0	-41.1	-97.5	-90.2	-55.9	-22.5	-7.3	17.9	-99.4	-76.1	-69.2
Industrial chemicals (351)	-99.0	-91.9	-76.4	-88.6	-79.8	-57.3	-93.5	-80.7	-61.7	-54.5	-37.1	-12.1	-98.3	-94.0	-85.3
Other chemicals (352)	-67.0	-72.2	-51.5	-65.6	-71.3	-63.4	-92.1	-87.6	-84.1	-49.4	-22.0	-13.7	-97.7	-82.6	-71.9
Petroleum refineries (353)	44.0	22.2	22.0	23.6	-74.6	-42.7	-10.8	-82.3	6.4	29.2	62.3	50.9	-96.4	-99.1	-91.8
Prods. of petroleum and coal (354)	-99.4	-100.0	-88.4	-91.0	-97.4	-91.1	-49.2	-99.7	-99.1	-48.4	27.8	8.5	-95.1	-97.0	-94.9
Rubber products (355)	-99.6	-98.1	11.7	-2.7	-1.0	33.8	-95.6	-86.5	-71.3	-34.9	-39.1	-62.0	-79.7	4.6	0.3
Plastic products (356)	-99.0	-93.3	13.2	-47.9	1.1	2.2	-89.2	64.1	12.6	-41.0	5.9	-5.1	-86.5	13.3	30.4
Pottery, china, earthenware (361)	-97.7	-99.5	15.1	-87.2	-68.8	11.2	-31.7	30.8	52.8	-25.3	-75.8	-56.1	-97.7	-60.3	-27.2
Glass (362)	-99.8	-83.3	14.9	-88.7	-61.2	-14.7	-82.6	-83.3	-46.8	-42.1	-44.3	-38.2	-97.3	-56.4	6.3
Other non-metallic mineral prods (369)	-99.9	-60.8	8.9	-18.5	-77.6	15.6	-36.8	10.3	-67.2	-71.3	-55.9	-65.0	-30.1	-64.3	11.9
Iron and steel (371)	-99.9	-96.2	-43.8	-88.4	-94.6	62.5	-83.3	-80.0	-78.3	-77.3	-60.6	-55.8	-93.8	-82.8	-81.2
Non-ferrous metals (372)	-25.5	49.2	50.3	90.2	70.1	9.7	-91.5	12.3	39.5	-51.9	10.6	-7.3	49.7	57.9	-33.7
Metal products (381)	-98.2	-97.7	-60.5	-85.8	-74.9	-51.1	-98.3	-65.2	-33.0	-48.7	-39.4	-24.9	-96.5	-54.9	-37.9
Non-electrical machinery (382)	-99.8	-99.0	-97.6	-86.2	-87.1	-59.6	-99.2	-96.5	-86.1	-63.5	-34.2	11.8	-99.7	-94.1	-66.7
Electrical machinery (383)	-98.3	-74.8	-75.9	-85.1	-12.7	9.1	-99.8	-66.0	0.0	-44.8	7.7	-0.2	-99.1	-31.2	-19.8
Transport equipment (384)	-99.7	-96.1	-93.8	-87.3	-82.7	-56.8	-99.8	-90.4	-91.3	-49.3	-34.9	-37.0	-99.8	-96.2	-90.2
Prof., scient. equipment (385)	-97.9	-99.3	-83.5	-78.9	-49.4	-38.8	-99.2	-58.3	-81.8	-74.7	-34.3	-25.2	-92.3	-65.5	-60.5
Other manufactures (390)	-99.8	-85.5	29.2	-76.9	-29.6	4.4	-21.4	54.9	68.2	-43.5	-26.8	-4.9	-33.8	51.8	55.7

TABLE 24

RCA INDICES BY MANUFACTURING BRANCH, ASEAN COUNTRIES, SELECTED YEARS

(Index)

Branch - ISIC code	Indonesia			Malaysia			Philippines			Singapore			Thailand		
	1970	1980	1988	1970	1980	1988	1970	1980	1988	1970	1980	1988	1970	1980	1988
Food products (311-2)	6.60	3.50	2.40	1.88	3.04	3.04	7.20	5.49	3.60	1.57	0.81	0.62	5.19	4.34	4.44
Beverages (313)	0.05	0.01	0.05	0.28	0.24	0.21	0.26	0.06	0.16	0.82	0.26	0.49	0.10	0.03	0.08
Tobacco (314)	1.47	0.13	0.62	2.03	0.03	0.10	0.37	0.13	0.49	3.77	0.43	0.90	-	-	-
Textiles (321)	22.00	13.56	72.30	21.25	34.89	24.20	30.25	26.78	20.20	134.75	27.00	20.20	185.50	96.11	63.75
Wearing apparel (322)	0.03	0.99	2.84	0.29	0.87	2.01	0.04	3.19	3.81	1.21	1.01	1.18	0.13	2.51	4.53
Leather and fur products (323)	0.33	0.34	1.24	0.02	0.03	0.08	0.33	0.53	0.90	0.48	0.19	0.33	0.32	1.08	3.09
Footwear (324)	0.01	0.02	1.04	0.18	0.47	0.32	0.32	1.62	1.05	0.45	0.16	0.15	0.00	0.28	1.59
Wood and cork products (331)	0.72	5.41	24.98	7.42	8.39	7.18	5.77	7.48	8.21	2.99	2.04	1.45	1.63	1.07	1.37
Furniture, fixtures excl. metal (332)	0.07	0.12	0.71	0.16	0.42	0.47	0.53	2.64	4.14	0.40	0.65	0.52	0.02	1.09	1.47
Paper (341)	-	0.05	0.53	0.07	0.04	0.22	0.06	0.11	0.21	0.17	0.13	0.25	0.03	0.09	0.22
Printing and publishing (342)	0.01	0.00	0.12	0.48	0.17	0.27	0.02	0.07	0.27	1.11	0.61	0.77	0.01	0.07	0.10
Industrial chemicals (351)	0.02	0.15	0.33	0.07	0.15	0.31	0.10	0.27	0.56	0.26	0.29	0.60	0.04	0.08	0.16
Other chemicals (352)	0.94	0.33	0.25	0.36	0.20	0.20	0.13	0.12	0.16	0.70	0.59	0.61	0.09	0.19	0.21
Petroleum refineries (353)	5.87	5.02	4.96	2.81	0.27	0.95	0.94	0.18	1.67	10.49	5.49	6.63	0.19	0.02	0.13
Prods. of petroleum and coal (354)	-	-	0.57	0.10	0.03	0.04	1.32	-	-	0.44	0.39	0.78	0.12	0.03	0.04
Rubber products (355)	0.01	0.01	0.59	0.81	0.66	0.87	0.03	0.11	0.21	0.67	0.30	0.34	0.44	0.84	0.97
Plastic products (356)	0.01	0.04	0.21	0.17	0.76	0.79	0.04	1.88	0.80	0.38	0.81	0.63	0.21	1.18	1.78
Pottery, china, earthenware (361)	-	-	0.41	0.14	0.20	0.78	0.64	1.33	1.22	1.46	0.13	0.19	0.07	0.50	0.90
Glass (362)	-	0.14	1.49	0.09	0.29	0.43	0.14	0.25	0.51	0.60	0.39	0.29	0.05	0.29	0.65
Other non-metallic mineral prods (369)	-	0.68	1.03	0.88	0.19	0.64	0.75	1.42	0.20	0.40	0.38	0.16	2.11	0.52	0.75
Iron and steel (371)	-	0.09	0.67	0.08	0.05	0.33	0.35	0.26	0.38	0.18	0.24	0.24	0.14	0.21	0.27
Non-ferrous metals (372)	0.77	3.97	3.64	8.22	4.87	1.24	0.06	1.12	3.02	0.13	0.52	0.91	4.78	4.89	0.56
Metal products (381)	0.05	0.05	0.18	0.14	0.19	0.30	0.03	0.30	0.47	0.70	0.40	0.49	0.11	0.38	0.44
Non-electrical machinery (382)	-	0.01	0.02	0.10	0.10	0.22	0.01	0.03	0.07	0.34	0.50	1.25	0.01	0.05	0.24
Electrical machinery (383)	0.04	0.34	0.07	0.09	2.63	3.29	-	0.29	1.39	0.85	2.53	2.43	0.02	1.05	1.05
Transport equipment (384)	0.01	0.01	0.03	0.10	0.12	0.12	-	0.07	0.03	0.33	0.38	0.22	-	0.03	0.03
Prof. scient. equipment (385)	0.02	-	0.05	0.08	0.33	0.26	-	0.29	0.05	0.31	0.60	0.59	0.10	0.20	0.19
Other manufactures (390)	-	0.04	0.54	0.12	0.29	0.58	0.33	1.41	2.31	0.69	0.41	0.57	1.25	2.04	4.28

TABLE 25 INTRA-ASEAN TRADE IN SELECTED PRODUCT GROUPS, 1965, 1975 AND 1988

"CONSUMER NON-DURABLES"

(Percentage of total exports to world in "consumer non-durables")

EXPORTER	Year	IMPORTER				
		Indonesia	Malaysia	Philippines	Singapore	Thailand
Indonesia	1965		2 22	-	-	1 59
	1975		0 05	0 08	12 50	1 87
	1988		0 29	0 14	10 46	0 08
Malaysia	1965	0 22		1 28	73 04	2 69
	1975	1 61		3 01	16 50	1 33
	1988	0 03		0 40	22 44	0 74
Philippines	1965	0 04	0 85		1 63	6 04
	1975	0 39	0 39		3 86	0 61
	1988	0 03	0 27		0 49	0 24
Singapore	1965		65 57	0 11		1 72
	1975		15 50	0 89		1 56
	1988		8 57	0 62		1 36
Thailand	1965	0 17	17 79	0 22	28 33	
	1975	0 65	1 08	0 05	4 21	
	1988	0 10	0 66	0 07	4 34	

TABLE 26 INTRA-ASEAN TRADE IN SELECTED PRODUCT GROUPS, 1965, 1975 AND 1988

"INTERMEDIATES"

(Percentage of total exports to world in "intermediates")

EXPORTER	Year	IMPORTER				
		Indonesia	Malaysia	Philippines	Singapore	Thailand
Indonesia	1965		0 52	0 20		0 09
	1975		1 72	0 03	38 83	0 02
	1988		1 23	0 93	13 31	1 78
Malaysia	1965	0 01		0 33	17 16	0 27
	1975	0 36		0 34	17 91	0 23
	1988	0 70		0 90	16 50	2 61
Philippines	1965	0 35	0 09		0 95	0 20
	1975	6 08	1 41		2 75	1 27
	1988	2 19	0 96		2 40	2 35
Singapore	1965		25 85	0 61		0 69
	1975		18 18	0 76		1 56
	1988		18 72	2 53		4 45
Thailand	1965	0 14	13 78		1 82	
	1975	3 83	4 21	0 10	7 87	
	1988	0 86	3 05	0 58	11 00	

TABLE 27

INTRA-ASEAN TRADE OF SELECTED PRODUCT GROUPS, 1965, 1975 AND 1988

"CAPITAL GOODS"

(Percentage of total exports to world in "capital goods")

EXPORTER	Year	IMPORTER				
		Indonesia	Malaysia	Philippines	Singapore	Thailand
Indonesia	1965		0 06	1 79	-	1 68
	1975		13 35	0 20	43 78	0 10
	1988		16 54	1 05	16 68	1 60
Malaysia	1965	0 14		0 64	73 53	17 85
	1975	3 60		0 42	27 56	1 06
	1988	0 85		1 24	20 76	1 31
Philippines	1965	-	0 39		-	-
	1975	23 05	6 10		5 33	2 77
	1988	0 22	6 25		10 83	1 23
Singapore	1965		84 06	0 28		1 16
	1975		22 38	1 40		2 87
	1988		12 71	0 86		3 98
Thailand	1965	0 12	9 63	1 31	4 74	
	1975	6 87	10 26	0 61	35 57	
	1988	0 64	4 89	0 11	21 89	

TABLE 28

SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Industry - ISIC code	Indonesia											
	Percentage ratio of											
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output		Net exports to total supply	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Dairy products (3112)	69.5	78.6	30.6	21.4	0.7	0.4	0.1	0.1	0.1	0.1	-30.5	-21.4
Canning, preserving of fruits & vegetables (3113)	26.4	109.9	84.3	61.7	42.1	22.1	40.4	65.2	33.2	7.9	-66.5	5.8
Canning, preserving and processing of fish (3114)	201.2	101.9	26.4	3.1	4.6	0.1	63.5	4.9	6.8	1.6	44.6	1.8
Vegetable and animal oils and fats (3115)	131.7	114.6	48.8	23.6	44.0	8.7	61.1	33.3	20.0	6.8	17.6	10.6
Grain mill products (3116)	110.6	1062.0	64.6	54.5	36.4	31.6	68.0	95.7	12.6	23.0	6.0	86.2
Bakery products (3117)	96.7	98.9	3.7	1.5	2.2	0.5	0.5	0.4	0.5	0.3	-3.3	-1.1
Sugar factories and refineries (3118)	54.5	103.7	47.1	1.9	45.4	0.8	3.0	5.4	0.6	0.3	-44.7	3.5
Cocoa, chocolate and sugar confectionery (3119)	151.9	108.6	21.0	6.4	8.0	1.6	48.0	13.8	47.2	0.7	30.0	7.5
Other food products (3121)	418.8	1058.9		87.4	17.4	11.9		98.8	21.1	20.5	57.7	83.7
Prepared animal feeds (3122)	99.0	97.7	1.1	2.3	0.9	0.4	-	-	-	-	-1.0	-2.3
Spinning, weaving & finishing textiles (3211)	90.5	106.2	11.8	7.6	4.3	2.2	2.5	13.0	1.2	6.0	-9.3	5.4
Made-up textile goods excl. wearing apparel (3212)	60.4	99.8	40.6	15.9	31.9	6.7	1.7	15.7	0.5	10.3	-39.2	-0.2
Knitting mills (3213)	95.8	99.9	6.0	1.2	1.2	0.4	1.9	1.1	1.4	0.8	-4.1	-0.1
Carpets and rugs (3214)	57.5		52.0		11.9		16.5		0.7		-38.8	
Cordage, rope and twine (3215)	20.6	56.3	80.1	46.7	55.9	28.9	3.2	5.3	0.6	1.5	-78.9	-42.5
Other textiles (3219)	24.7	59.0	76.6	41.7	8.3	9.1	5.2	1.2	4.6	0.6	-74.4	-40.7
Tanneries and leather finishing (3231)	121.9	140.9	1.0	5.1	0.4	1.7	18.8	32.6	6.9	18.0	17.8	28.0
Fur dressing and dyeing industries (3232)			100.0	100.0	8.0	-	-	-	-	-	-100.0	-100.0
Leather goods excl. wearing apparel (3233)		71.6		48.3		10.1		27.7		6.3		-23.7
Footwear (3240)	147.5	102.3	11.9	11.1	1.8	3.4	40.2	13.1	35.9	1.5	29.8	2.0
Sawmills, planing & other wood mills (3311)	212.7	497.4	0.3	0.2	0.2	-	53.1	79.9	25.4	29.6	52.9	79.9
Wooden and cane containers (3312)	281.6	519.4	46.0	49.7	16.6	2.7	80.8	90.3	9.0	6.2	55.4	73.7
Other wood and cork products (3319)	100.7	111.1	16.9	2.6	4.3	0.6	17.5	12.3	0.7	4.5	0.6	9.8
Furniture and fixtures excl. metal (3320)	64.5	98.9	42.5	15.3	16.3	3.6	10.9	14.4	2.6	2.4	-32.1	-0.9
Pulp, paper and paperboard (3411)	36.0	55.6	64.1	51.5	5.1	3.9	0.3	12.8	0.3	12.2	-64.0	-41.4
Containers of paper and paperboard (3412)	94.1	85.9	6.0	14.3	2.5	4.5	0.1	0.3	-	0.2	-5.9	-14.0
Other pulp, paper and paperboard articles (3419)	39.2	73.1	60.8	27.0	8.0	7.3	-	0.1	-	0.1	-60.8	-26.9
Printing and publishing (3420)	91.2	92.1	8.9	8.0	2.1	2.3	0.2	0.2	0.1	0.2	-8.8	-7.9
Basic chemicals excl. fertilizers (3511)	8.4	16.7	95.4	87.9	19.0	21.6	45.9	27.7	10.5	19.9	-88.2	-79.6
Fertilizers and pesticides (3512)	66.2	113.7	34.3	5.7	11.0	0.8	0.8	17.1	0.8	15.8	-33.6	11.5
Synthetic resins and plastic materials (3513)	0.8	0.8	99.2	99.7	10.5	27.9	2.4	67.6	2.2	64.2	-99.1	-98.6
Paints, varnishes and lacquers (3521)	77.8	85.6	22.4	14.4	3.2	2.2	0.2	0.1	0.2	0.1	-22.2	-14.4
Drugs and medicines (3522)	80.5	86.6	21.9	16.3	2.7	1.9	3.0	3.4	1.8	1.8	-19.0	-13.0
Soap, cleaning preps., perfumes, cosmetics (3523)	93.5	98.3	7.0	8.2	1.1	1.3	0.5	6.8	0.3	4.2	-6.5	-1.6
Other chemical products (3529)	61.9	71.1	43.4	34.5	5.1	6.3	8.5	7.9	1.6	0.9	46.2	-27.3
Tyres and tubes (3551)	90.1	100.8	10.1	4.9	2.4	1.3	0.2	5.7	0.2	3.4	-9.9	0.8
Other rubber products (3559)	94.8	89.7	5.3	10.4	1.1	1.6	-	0.1	-	0.1	-5.2	-10.3
Plastic products (3600)	63.3	95.8	17.1	6.7	3.2	1.7	0.5	2.6	0.1	2.2	-16.6	-4.1
Pottery, china and earthenware (3610)	68.2	82.0	32.0	19.6	3.3	3.5	0.4	2.1	0.4	0.4	-31.7	-17.7
Glass (3620)	71.7	84.3	29.7	21.5	5.8	4.3	1.9	7.0	1.7	5.3	-27.9	-14.8
Structural clay products (3691)	18.4	33.1	81.7	66.9	2.9	2.3	0.7	0.1	0.7	-	-81.5	-66.9
Cement, lime and plaster (3692)	92.0	107.3	13.2	1.0	7.3	0.3	5.7	7.7	5.6	7.6	-7.6	6.7

TABLE 28

SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Industry - ISIC code	Indonesia											
	Percentage ratio of											Net exports to total supply
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output			
1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	
Other non-metallic mineral products (3699)	68.9	87.2	32.1	13.6	3.1	3.5	1.4	0.9	1.4	0.8	-30.8	-12.7
Iron and steel (3710)	26.1	65.4	75.0	38.6	10.3	4.3	4.1	6.2	3.9	2.1	-73.1	-33.2
Cutlery, hand tools and general hardware (3811)	27.4	33.6	53.2	66.6	11.5	17.3	1.2	0.5	1.1	0.4	-52.3	-66.3
Furniture and fixtures primarily of metal (3812)	69.6	80.4	35.0	27.2	6.7	5.8	6.5	9.5	5.1	2.0	-29.1	-18.2
Structural metal products (3813)	55.2	84.9	49.2	15.1	3.0	1.7	8.0	0.1	7.5	-	-42.9	-15.1
Other metal products (3819)	37.6	61.4	62.5	44.4	7.0	11.1	0.4	9.5	0.3	9.4	-62.3	-36.5
Electrical industrial machinery (3831)	52.1	57.8	48.0	42.4	2.6	4.1	0.2	0.3	0.2	-	-47.9	-42.1
Other electrical apparatus and supplies (3839)	-	-	100.0	100.0	9.3	11.0	-	-	-	-	-100.0	-100.0
Shipbuilding (3841)	22.7	28.4	78.4	73.5	3.1	13.7	4.4	6.7	4.2	3.8	-76.6	-70.2
Railroad equipment (3842)	-	-	100.0	100.0	4.0	21.7	-	-	-	-	-100.0	-100.0
Motor vehicles (3843)	25.6	45.6	74.4	54.4	1.6	1.4	0.3	0.1	0.3	-	-74.3	-54.4
Motorcycles and bicycles (3844)	85.7	83.6	14.3	16.5	1.8	2.4	-	0.1	-	0.1	-14.3	-16.4
Aircraft (3845)	-	-	100.0	100.0	2.2	4.7	-	-	-	-	-100.0	-100.0
Other transport equipment (3849)	98.3	99.8	1.7	0.2	-	-	-	-	-	-	-1.7	-0.2
Jewellery and related articles (3901)	35.4	-	85.3	-	34.3	-	58.5	-	3.6	-	-53.5	-
Musical instruments (3902)	40.1	56.9	60.2	44.0	6.1	1.5	0.8	1.5	0.7	1.5	-59.7	-42.7
Sporting and athletic goods (3903)	36.7	43.4	64.4	80.0	15.4	23.5	3.2	53.8	1.7	4.1	-62.5	-45.9
Other manufactures (3909)	48.7	75.5	57.3	34.7	14.8	11.5	12.4	13.5	4.1	3	-48.4	-22.2

TABLE 28

SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Malaysia													
Percentage ratio of													
Industry	ISIC code	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output		Net exports to total supply	
		1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Slaughtering, preparing & preserving meat (3111)		24.1	28.4	80.0	76.5	20.5	42.3	17.0	17.3	13.6	15.8	-73.0	-68.2
Dairy products (3112)		66.3	75.9	37.3	27.6	0.2	0.1	5.4	4.7	5.4	4.5	-32.5	-23.3
Canning, preserving of fruits & vegetables (3113)		80.0	81.1	45.9	50.8	12.0	14.6	37.4	39.4	15.9	19.0	-15.9	-14.3
Canning, preserving and processing of fish (3114)		136.6	120.1	39.4	45.8	11.8	30.3	55.6	54.9	5.3	3.4	20.8	12.1
Vegetable and animal oils and fats (3115)		303.7	305.8	6.4	12.8	5.4	11.5	69.2	71.5	40.8	45.6	65.7	64.6
Grain mill products (3116)		68.6	78.7	33.7	24.3	31.9	22.9	3.3	3.7	2.4	3.0	-30.8	-20.7
Bakery products (3117)		94.2	97.3	9.1	8.7	6.1	6.5	3.5	6.1	3.2	5.9	5.6	-2.5
Sugar factories and refineries (3118)		52.6	67.7	43.8	40.1	20.0	16.5	10.3	11.5	10.1	10.5	-35.1	-29.9
Cocoa, chocolate and sugar confectionery (3119)		123.7	208.6	23.0	10.0	8.5	3.6	37.8	56.8	13.5	8.8	16.2	49.7
Other food products (3121)		81.4	79.2	32.6	48.8	9.3	11.3	17.2	35.4	13.5	25.0	-16.3	-16.2
Prepared animal feeds (3122)		94.4	94.7	6.5	6.0	4.8	2.3	1.0	0.7	0.7	0.7	5.5	-5.2
Spinning, weaving & finishing textiles (3211)		84.8	86.5	40.1	53.7	20.0	28.3	29.4	46.5	12.2	16.8	-12.2	-9.6
Made-up textile goods excl. wearing apparel (3212)		64.1	66.3	50.2	64.8	28.5	34.9	22.4	46.9	14.6	21.8	31.4	-25.7
Knitting mills (3213)		85.9	68.0	22.7	45.0	9.1	17.8	10.0	19.0	1.3	8.7	-13.0	-28.4
Other textiles (3219)			19.7		94.9		20.0		74.2		40.9		-70.1
wearing apparel (3220)		186.5		27.2		22.0		61.0		3.6		40.5	
Tanneries and leather finishing (3231)		77.0	81.0	23.7	35.4	11.5	24.4	0.8	20.3	0.8	10.6	-22.9	-16.3
Fur dressing and dyeing industries (3232)		-	-	100.0	100.0	-	12.4	-	-	-	-	-100.0	100.0
Leather goods excl. wearing apparel (3233)		41.5	28.7	62.4	95.5	38.6	39.4	9.4	84.3	5.2	33.9	-56.3	57.4
Footwear (3240)		143.0	219.5	26.5		14.0	89.4	48.6		15.4	56.3	25.4	30.2
Sawmills, planing & other wood mills (3311)		254.2	764.4	4.9	6.5	4.5	5.6	62.6	87.8	26.9	26.1	59.5	86.2
Wooden and cane containers (3312)		105.1	128.7	5.5	15.8	4.4	7.8	10.1	34.5	9.8	11.4	4.6	19.8
Other wood and cork products (3319)		172.5	189.6	22.4	22.5	10.3	11.7	55.0	59.1	6.0	8.4	37.2	42.3
Furniture and fixtures excl. metal (3320)		105.1	106.2	10.3	16.8	3.7	3.5	14.7	21.6	2.6	11.9	4.4	5.0
Pulp, paper and paperboard (3411)		8.9	8.0	92.7	96.6	11.4	18.6	16.1	57.0	17.9	54.2	-89.7	88.1
Containers of paper and paperboard (3412)		99.3	99.6	4.9	4.5	3.0	2.7	4.2	4.2	3.8	4.0	-0.7	-0.4
Other pulp, paper and paperboard articles (3419)		83.6	90.1	18.6	17.9	4.3	4.4	2.6	8.9	2.5	8.0	-16.0	9.1
Printing and publishing (3420)		90.9	88.4	11.1	15.2	4.5	5.9	2.2	4.0	1.9	3.6	8.9	-11.2
Basic chemicals excl. fertilizers (3511)		21.6	75.7	84.7	35.0	11.0	4.6	29.2	14.2	14.3	3.6	-73.7	-21.9
Fertilizers and pesticides (3512)		53.0	71.5	49.5	38.4	4.1	11.4	4.7	13.9	4.0	6.7	-45.9	-25.9
Synthetic resins and plastic materials (3513)		17.1	18.2	98.2	98.3	12.4	32.2	89.4	90.7	78.0	83.5	-71.9	-70.2
Paints, varnishes and lacquers (3521)		83.0	85.8	18.8	18.9	5.1	6.9	2.2	5.4	2.2	5.4	-16.7	-13.6
Drugs and medicines (3522)		38.0	36.6	71.1	70.6	17.8	19.5	24.1	19.5	23.1	16.8	56.6	-59.2
Soap, cleaning preps., perfumes, cosmetics (3523)		72.2	70.7	38.0	42.4	13.6	14.8	14.2	18.6	14.0	17.3	76.2	-25.9
Other chemical products (3529)		65.7	62.5	39.6	44.5	6.5	8.1	8.1	11.2	5.2	6.6	-32.6	-35.0
Tyres and tubes (3551)		94.5	99.5	8.4	5.9	1.5	1.1	3.1	5.4	2.0	3.5	-5.3	0.4
Other rubber products (3559)		100.4	102.5	2.7	2.1	0.4	0.3	3.1	4.5	1.1	1.5	0.4	2.4
Plastic products (3560)		96.5	96.6	15.7	30.3	5.4	13.2	12.6	27.9	5.5	10.6	-3.1	-2.7
Pottery, china and earthenware (3610)		52.0	68.2	60.7	65.1	21.0	18.8	24.4	48.8	19.9	11.0	-42.6	23.9
Glass (3620)		71.1	85.0	40.9	45.3	7.3	11.6	16.8	35.6	15.8	28.1	-25.8	-11.6
Structural clay products (3691)		75.7	76.9	25.1	25.8	2.8	2.2	1.0	3.5	0.8	2.2	-24.2	-22.5
Cement, lime and plaster (3692)		78.4	102.8	21.7	3.3	12.3	2.4	0.1	5.9	0.1	5.9	-21.6	2.6

TABLE 28 SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Malaysia												
Industry, ISIC code	Percentage ratio of											
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output		Net exports to total supply	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Other non-metallic mineral products (3699)	90.1	94.1	11.6	9.5	4.1	1.8	1.9	3.8	1.5	3.3	-9.7	-5.7
Iron and steel (3710)	36.9	63.2	64.6	47.7	9.2	8.1	3.9	17.3	3.3	13.3	-62.2	-33.1
Non-ferrous metals (3720)		234.9				47.2				39.1		35.5
Cutlery, hand tools and general hardware (3811)	30.1	11.2	73.9	94.5	17.0	24.4	13.3	51.1	9.2	34.6	-67.2	-84.0
Furniture and fixtures primarily of metal (3812)	75.4	71.9	25.1	29.9	6.4	5.7	0.7	2.5	0.7	2.4	-24.4	-27.6
Structural metal products (3813)	63.4	76.2	41.5	40.5	4.6	13.6	7.7	21.9	7.3	19.0	34.9	-20.4
Other metal products (3819)	70.6	75.6	35.1	31.8	10.5	10.3	8.2	9.8	5.6	5.9	27.8	-22.7
Engines and turbines (3821)	10.2		90.7		2.6		8.9		5.6		-89.0	
Agricultural machinery and equipment (3822)	51.9	43.7	50.0	59.7	3.5	2.9	3.8	7.6	1.7	5.4	-47.1	-54.5
Metal and wood working machinery (3823)	8.2	5.2	95.5		9.3	21.1	45.1		40.2		-88.6	-86.4
Other special industrial machinery (3824)	7.3		97.4		4.4		64.6		52.3		-88.5	
Electrical industrial machinery (3831)	22.2				17.7						-56.8	
Radio, television & communication equipment (3832)	94.2	123.1	74.8		13.1	30.7	73.3		19.8	25.9	-3.5	9.4
Electrical appliances and housewares (3833)	70.4	95.7	35.7	27.9	3.7	8.1	7.9	24.7	7.8	4.0	28.0	3.5
Other electrical apparatus and supplies (3839)	54.4	60.5	50.1	49.7	8.1	11.9	8.4	16.8	4.7	3.2	-43.6	-36.8
Shipbuilding (3841)	72.9	32.9	28.5		7.4	39.1	1.9		1.8		26.8	-43.6
Railroad equipment (3842)			100.0	100.0	39.0	28.0					-100.0	100.0
Motor vehicles (3843)	26.1	45.5	74.8	59.8	1.6	1.2	3.5	11.6	2.9	6.7	-73.3	-51.8
Prof. and scientific equipment n.e.c. (3851)	20.3		92.8		5.8		64.7		17.6		70.6	
Photographic and optical goods (3852)	52.3	55.3	61.3	97.3	4.6	7.4	26.0	95.0	1.6	12.4	42.0	-29.3
Watches and clocks (3853)	21.9	45.4		77.9	17.0	19.0		51.4	70.4	23.7	-61.5	-44.3
Jewellery and related articles (3901)	54.7		56.2		10.9		20.0		5.2		-40.8	
Other manufactures (3909)	59.6	69.7	60.1	57.5	20.5	16.4	33.0	39.0	12.7	11.8	-33.8	-23.9

TABLE 28

SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Philippines												
Industry - ISIC code	Percentage ratio of											
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output		Net exports to total supply	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Slaughtering, preparing & preserving meat (3111)		94.5		6.7		0.7		1.2		0.6		-5.5
Dairy products (3112)		54.3		45.3		2.7		0.2		0.2		-45.1
Canning, preserving of fruits & vegetables (3113)		204.1		10.5		2.0		56.2		3.5		48.5
Canning, preserving and processing of fish (3114)		151.3		0.9		0.2		34.5		2.1		33.7
Grain mill products (3116)		195.3		49.1		3.2		73.9		20.8		39.0
Bakery products (3117)		103.5		2.0		1.7		5.3		1.3		3.3
Sugar factories and refineries (3118)		119.6		0.1		-		16.5		0.3		16.4
Cocoa, chocolate and sugar confectionery (3119)		572.0		22.4		4.0		86.4		11.0		79.4
Other food products (312)		135.1		16.3		2.8		38.0		12.2		23.2
Prepared animal feeds (3122)		97.4		3.2		0.6		0.6		-		-2.6
Spinning, weaving & finishing textiles (3211)		78.2		26.9		13.4		6.5		2.2		-20.7
Made-up textile goods excl. wearing apparel (3212)		119.3		16.4		1.3		29.9		1.7		14.2
Knitting mills (3213)		63.5		38.0		13.9		2.4		0.8		-35.9
Carpets and rugs (3214)		210.1		10.1		2.1		57.2		14.8		50.0
Cordage, rope and twine (3215)		142.7		7.5		0.4		35.2		6.9		28.4
Other textiles (3219)		-		100.0		16.3		-		-		-100.0
Wearing apparel (3220)		1346.4		17.4		7.2		93.4		14.3		91.4
Tanneries and leather finishing (323)		20.7		80.6		33.1		6.4		3.6		-78.3
Fur dressing and dyeing industries (3232)		-		100.0		-		-		-		-100.0
Footwear (3240)		268.4		20.8		0.8		70.5		7.4		58.2
Furniture and fixtures excl. metal (3320)		2299.8		44.9		2.7		97.6		3.9		93.8
Pulp, paper and paperboard (3411)		77.3		26.3		1.3		4.6		0.2		-21.9
Containers of paper and paperboard (3412)		91.7		8.9		1.5		0.6		0.2		-8.3
Other pulp, paper and paperboard articles (3419)		77.8		22.5		3.3		0.5		0.2		22.1
Printing and publishing (3420)		92.1		10.3		2.3		2.7		0.3		-7.7
Basic chemicals excl. fertilizers (3511)		36.5		86.0		18.0		61.8		13.9		-51.8
Fertilizers and pesticides (3512)		99.9		43.3		27.5		43.2		41.6		-0.1
Synthetic resins and plastic materials (3513)		24.0		63.5		13.3		31.0		25.4		-70.8
Paints, varnishes and lacquers (3521)		92.2		8.2		0.9		0.5		0.3		-7.7
Drugs and medicines (3522)		85.7		15.6		2.0		1.5		1.2		-14.1
Soap, cleaning preps., perfumes, cosmetics (3523)		97.9		3.8		1.0		1.7		1.5		-2.1
Other chemical products (3529)		64.5		37.9		4.5		3.8		2.5		-34.6
Tyres and tubes (3551)		92.0		10.2		1.2		2.4		1.3		-7.8
Other rubber products (3559)		46.4		62.9		11.2		20.1		4.6		-49.0
Plastic products (3560)		109.8		11.1		3.5		19.1		2.3		8.1
Pottery, china and earthenware (3610)		123.7		25.6		7.6		39.9		13.4		15.9
Glass (3620)		93.0		13.6		2.4		7.0		5.1		-6.6
Structural clay products (3691)		81.8		21.6		2.1		4.1		4.0		-17.6
Cement, lime and plaster (3692)		100.0		1.8		1.0		1.8		1.8		-
Other non-metallic mineral products (3699)		85.9		21.6		6.0		8.7		3.7		-13.1
Iron and steel (3710)		74.6		29.8		10.4		5.9		0.4		-24.4
Non-ferrous metals (3720)		161.8		24.8		5.7		63.5		19.6		33.1

TABLE 28

SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Philippines												
Industry - ISIC code	Percentage ratio of											
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output		Net exports to total supply	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Cutlery, hand tools and general hardware (3811)		44.1		72.8		16.5		38.3		14.3		-47.9
Structural metal products (3813)		31.3		71.7		7.9		9.3		5.2		-66.8
Other metal products (3819)		11.4		97.2		12.2		76.4		52.0		-81.6
Engines and turbines (3821)		1.8		98.2		1.7		1.5		-		-98.1
Agricultural machinery and equipment (3822)		54.8		49.5		1.0		7.9		7.8		-43.3
Metal and wood working machinery (3823)		10.1		92.1		5.0		21.9		13.3		-88.0
Other special industrial machinery (3824)		3.8		98.8		8.8		69.5		39.0		-93.7
Office, computing & accounting machinery (3825)		20.9		93.1		16.2		67.0		58.9		69.3
Other non-electrical machinery & equipment (3829)		39.4		69.6		5.7		22.9		6.5		-55.6
Electrical industrial machinery (3831)		30.1		92.3		12.7		74.6		27.4		-57.0
Radio, television & communication equip. (3832)		114.0		56.5		3.7		61.9		18.6		8.2
Electrical appliances and housewares (3833)		107.5		7.3		1.1		13.8		4.6		6.6
Other electrical apparatus and supplies (3839)		33.0		82.9		7.1		48.1		15.3		-57.8
Shipbuilding (3841)		61.1		40.6		8.4		2.7		0.4		-38.3
Railroad equipment (3842)		-		100.0		0.5		-		-		-100.0
Motor vehicles (3843)		54.1		77.8		2.3		59.0		1.0		34.8
Motorcycles and bicycles (3844)		68.6		31.4		0.3		0.1		-		-31.4
Aircraft (3845)		11.5		91.1		6.4		22.6		-		-86.3
Other transport equipment (3849)		44.8		55.2		0.5		-		-		-55.2
Prof. and scientific equipment n.e.c. (3851)		31.4		69.7		8.0		3.6		0.4		-67.8
Watches and clocks (3853)		78.6		22.8		2.9		1.8		1.6		-21.1
Jewellery and related articles (3901)		40.4		67.4		58.2		19.3		2.0		-55.3
Musical instruments (3902)		53.9		72.5		3.5		48.9		13.6		-36.5
Sporting and athletic goods (3903)		126.2		28.1		12.3		43.0		23.9		17.0

TABLE 28

SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Singapore												
Industry (ISIC code)	Percentage ratio of											
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output		Net exports to total supply	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Dairy products (3112)	56.7	61.4	72.4	69.5	11.0	12.5	51.3	50.3	46.9	42.3	-33.5	-29.5
Grain mill products (3116)	80.4										-7.6	
Bakery products (3117)	87.5	84.4	37.2	38.1	16.4	21.4	28.3	26.7	24.8	23.5	-10.0	-12.7
Sugar factories and refineries (3118)	-	-	100.0	100.0	26.7	31.2					-100.0	-100.0
Cocoa, chocolate and sugar confectionery (3119)		309.7				57.4				19.3		47.0
Other food products (3121)	126.7	138.5	38.7	28.0	14.1	14.9	51.6	48.0	27.7	16.9	16.1	23.1
Prepared animal feeds (3122)	124.2	119.3	10.9	26.8	2.9	5.3	28.3	38.7	27.9	37.4	17.9	13.2
Wade-up textile goods excl wearing apparel (3212)	36.1	47.8			56.2	63.0			66.2	48.1	-46.8	-31.3
Knitting mills (3213)	52.3	25.8	57.8		14.9	20.2	19.3		16.5		-43.4	-56.6
wearing apparel (3220)	256.6	225.4			87.0				17.5	10.5	41.9	34.3
Tanneries and leather finishing (3231)	-	-	100.0	100.0	64.3						-100.0	-100.0
Fur dressing and dyeing industries (3232)	-	-	100.0	100.0	2.1						-100.0	-100.0
Leather goods excl wearing apparel (3233)	36.4	22.9	86.7		23.3	25.6	63.4		47.8	72.0	-51.7	-59.6
Footwear (3240)	46.0	24.3	93.6	93.7	20.9	28.2	86.0	74.2	56.2	47.1	-38.7	-64.2
Wooden and cane containers (3312)	81.4	86.6	24.5	20.9	21.0	18.7	7.2	8.6	3.2	3.3	-17.6	-12.5
Other wood and cork products (3319)	86.0	86.0	45.1		29.3	52.8	36.2		18.1	47.9	-10.7	-7.0
Furniture and fixtures excl metal (3320)	153.3	88.8	52.0	57.9	17.5	12.6	68.7	52.6	22.1	11.7	26.0	-7.7
Pulp, paper and paperboard (3411)	-	-	100.0	100.0	19.0	28.8					-100.0	-100.0
Containers of paper and paperboard (3412)	99.0	99.1	8.2	9.5	3.5	3.7	7.3	8.7	6.7	7.1	-1.0	-0.9
Other pulp, paper and paperboard articles (3419)	94.2	85.1	26.7	54.5	4.4	22.2	22.1	46.5	19.1	35.5	-4.8	-10.7
Printing and publishing (3420)	101.9	103.1	25.8	26.2	7.3	7.3	27.1	28.5	16.3	13.1	1.5	2.4
Basic chemicals excl fertilizers (3511)		101.2				26.5				74.0		0.5
Fertilizers and pesticides (3512)	-	-	100.0	100.0							-100.0	-100.0
Synthetic resins and plastic materials (3513)	27.7	82.8	99.7	99.7	12.3	16.8		99.7		84.3	-52.8	-9.5
Paints, varnishes and lacquers (3521)	50.9	72.6	76.0	64.9	3.0	4.4	53.0	51.7	46.4	40.8	-38.7	-19.9
Drugs and medicines (3522)	169.9	103.9		38.0	31.3	9.7		40.3	57.7	25.5	25.4	2.7
Soap, cleaning preps, perfumes, cosmetics (3523)	56.0	32.0	94.2		20.0	26.0	89.6		82.1		-29.3	-43.1
Other chemical products (3529)	29.8	72.3		84.5	10.7	8.4		78.5		49.0	-51.7	-17.6
Tyres and tubes (3551)	-	-		100.0		49.4						-100.0
Other rubber products (3559)	89.7	71.5	18.5	56.5	3.7	12.7	9.1	39.1	5.2	21.3	9.5	22.3
Plastic products (3560)	103.1	91.9	47.0	60.6	16.6	20.7	48.6	57.1	21.7	26.0	2.1	-5.3
Structural clay products (3691)	21.6	16.3	97.5	94.9	14.6	10.7	88.5	68.5	88.1	64.7	-65.9	-75.3
Cement, lime and plaster (3692)	69.6	56.8	46.7	49.3	8.7	20.5	23.4	10.8	22.7	10.0	-26.1	40.7
Other non-metallic mineral products (3699)	80.2	81.4	26.0	22.6	4.5	4.4	7.8	4.9	6.4	4.0	18.6	-17.9
Iron and steel (3710)	16.0	26.3			11.5	21.3				82.5	65.6	-56.0
Furniture and fixtures primarily of metal (3812)	65.0	45.3	52.9		5.0	17.4			26.5	40.2	29.7	-36.3
Structural metal products (3813)	69.1	81.7	60.5	35.0	6.5	4.7	42.9	20.5	38.7	14.3	-23.8	-15.6
Other metal products (3819)	73.9	82.5	47.1	39.9	10.0	9.1	28.4	27.2	20.4	16.1	-21.6	-14.3
Engines and turbines (3821)	-	-		100.0		7.9						-100.0
Agricultural machinery and equipment (3822)	-	-	100.0	100.0	8.9	10.0					-100.0	-100.0
Other special industrial machinery (3824)	64.9	51.5	75.4		4.8	17.4	62.1		49.4		25.1	-27.4
Office, computing & accounting machinery (3825)	-	-	100.0		30.3						100.0	

TABLE 28 SELECTED INDICATORS OF DEMAND-SUPPLY RELATIONS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES: SELECTED YEARS

(Percentage)

Singapore												
Industry (ISIC code)	Percentage ratio of											
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		Exports to developing countries to output		Net exports to total supply	
	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986	1981	1986
Other non-electrical machinery & equipment (3829)	37.0	64.6			6.8	12.2			91.6	78.4	-41.0	18.0
Electrical industrial machinery (3831)	53.3				17.2				68.4		-23.8	
Radio, television & communication equipm (3832)	108.2	97.9	94.6	68.4	20.9	18.9	95.0	67.7	31.9	21.9	4.0	-1.3
Electrical appliances and housewares (3833)	128.7	122.7	42.0	38.3	4.3	5.1	54.9	49.7	18.0	7.5	16.8	14.1
Other electrical apparatus and supplies (3839)	56.9	51.7			14.9	16.2			76.1	60.8	-24.0	-26.7
Shipbuilding (3841)	90.8	61.9	68.9	85.1	8.3	31.8	65.7	76.0	24.9	62.2	-5.8	-25.9
Railroad equipment (3842)	-	-	100.0	100.0	2.4	10.9					100.0	-100.0
Motorcycles and bicycles (3844)	-	-	100.0	100.0	40.6	57.8					-100.0	-100.0
Aircraft (3845)	45.0	41.6			86.1	1.8		66.7	46.2	27.8	-30.9	-45.7
Other transport equipment (3849)	96.9	96.0	7.3	5.8		0.2	4.3	2.0	4.3	2.0	-3.0	-3.9
Watches and clocks (3853)	34.5				22.8						-41.9	
Jewellery and related articles (3901)	70.6	148.3	83.3		44.3	47.0	76.3		58.2	72.3	-19.1	19.0
Musical instruments (3902)	-	-	100.0	100.0	21.5	17.4					-100.0	-100.0
Sporting and athletic goods (3903)	-	-	100.0	100.0	28.3	30.9					-100.0	-100.0
Other manufactures (3909)	67.1	71.5	75.5	85.3	22.6	25.7	63.5	79.4	25.2	28.2	-23.1	-18.2

TABLE 29 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R & D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

Indonesia														
Year period	Indicator	By end-use								By R & D intensity				
		Semi-processed products				Processed products				High R & D products	Medium R & D products	Low R & D products	All products	
		Food	Petroleum products	Supplies and inter-mediate	Total semi-processed	Supplies and inter-mediate	Non-durables	Industrial equipment	Other equipment and durables					Total processed
EXPORTS														
1975	Value	285.8	396.2	31.5	712.6	99.7	25.6	30.6	7.4	163.4	34.1	109.2	732.7	876.0
1980	Value	572.0	1187.5	253.3	2012.7	671.1	134.1	101.4	13.8	920.4	130.4	500.3	2302.4	2933.1
1989	of dollars	989.4	919.9	922.6	2831.9	5441.9	1876.5	120.9	200.8	7640.1	312.0	1365.3	8794.7	10472.0
1975	Per capita value	2.1	2.9	0.2	5.3	0.7	0.2	0.2	0.1	1.2	0.3	0.8	5.4	6.5
1980	Value	3.8	7.9	1.7	13.3	4.4	0.9	0.7	0.1	6.1	0.9	3.3	15.3	19.4
1989	dollars	5.5	5.1	5.2	15.8	30.4	10.5	0.7	1.1	42.7	1.7	7.6	49.2	58.5
1975	Share in country exports	4.0	5.5	0.4	10.0	1.4	0.4	0.4	0.1	2.3	0.5	1.5	10.3	12.3
1980	percentage	2.6	5.4	1.2	9.2	3.1	0.6	0.5	0.1	4.2	0.6	2.3	10.5	13.4
1989	percentage	4.5	4.2	4.2	12.9	25.0	8.6	0.6	0.9	35.1	1.4	6.3	40.4	48.1
1975-80	Growth rate percentage	14.9	24.6	51.7	23.1	46.4	39.2	27.1	13.2	41.3	30.8	35.6	25.7	27.3
1980-89	percentage	6.3	12.8	15.4	3.9	26.2	34.1	2.0	34.7	26.5	10.2	11.8	16.1	15.2
1975-89	percentage	9.3	6.2	27.3	10.4	33.1	35.9	10.3	26.6	31.6	17.1	19.8	19.4	19.4
IMPORTS														
1975	Value	422.3	198.6	96.8	717.8	1707.4	82.3	1226.7	768.5	3784.9	708.4	1995.8	1798.4	4502.6
1980	Value	1049.6	592.2	276.9	2018.8	3005.3	222.0	2623.3	1466.8	7317.4	1562.9	3772.8	4010.4	9336.2
1989	of dollars	710.9	614.1	757.9	2082.9	5354.4	377.6	5015.7	1857.7	12605.4	3582.5	6124.0	4981.9	14688.4
1975	Per capita value	3.1	1.5	0.7	5.3	12.6	0.6	9.0	5.7	27.9	5.2	14.7	13.3	33.2
1980	Value	7.0	4.6	1.8	13.4	19.9	1.5	17.4	9.7	48.5	10.3	25.0	26.6	61.8
1989	dollars	4.0	3.4	4.2	11.6	29.9	2.1	28.1	10.4	70.5	20.0	34.3	27.9	82.2
1975	Share in country imports	8.9	4.2	2.0	16.0	36.8	1.7	25.7	16.1	79.4	14.9	41.5	37.7	94.4
1980	percentage	9.7	6.4	2.6	16.6	27.7	2.0	24.2	15.5	67.5	14.3	34.8	37.0	86.2
1989	percentage	4.3	3.8	4.6	12.7	32.7	2.3	30.7	11.4	77.1	21.9	37.5	30.5	89.8
1975-80	Growth rate percentage	20.0	28.4	23.4	23.0	12.0	22.0	16.4	13.8	14.1	17.0	13.6	17.4	15.7
1980-89	percentage	4.2	1.3	11.8	0.4	6.6	6.1	7.5	2.7	6.7	9.7	5.5	7.4	5.2
1975-89	percentage	3.8	3.4	15.8	7.9	8.5	11.5	11.5	6.5	9.0	12.3	8.4	7.5	8.6

TABLE 29 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R & D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

		Malaysia													
		By end-use						By R & D intensity							
		Semi-processed products			Processed products			High R & D products				Medium R & D products		Low R & D products	All products
Year period	Indicator	Food	Petroleum products	Supplies and inter-mediate	Total semi-processed	Supplies and inter-mediate	Non-durables	Industrial equipment	Other equipment and durables	Total processed	High R & D products	Medium R & D products	Low R & D products	All products	
EXPORTS															
1975	Value	742.1	59.5	184.8	986.5	687.2	87.6	319.3	74.8	1169.0	309.1	636.8	1209.6	2155.4	
1980	millions	1675.7	106.7	637.8	2420.2	1742.8	291.9	1344.5	247.5	3626.7	1434.9	1453.1	3159.0	6047.0	
1988	of dollars	2693.6	260.9	931.0	3885.5	2021.6	1553.8	4797.6	1264.6	9637.6	4822.9	2500.2	6200.0	13523.1	
1975	Per capita value	60.5	4.9	15.1	80.5	56.1	7.1	26.0	6.1	95.4	25.2	51.9	98.7	175.8	
1980	dollars	121.7	7.8	46.3	175.8	126.6	21.2	97.7	18.0	263.5	104.2	105.6	229.5	439.3	
1988		162.5	15.7	56.2	234.4	122.0	93.8	289.5	76.3	581.6	291.0	150.9	374.1	816.0	
1975	Share in country exports	19.3	1.5	4.8	25.6	17.9	2.3	8.3	1.9	30.4	8.0	16.6	51.4	56.0	
1980	percentage	13.0	0.8	4.9	18.7	13.5	2.3	10.4	1.9	28.0	11.1	11.2	24.4	46.7	
1988		12.3	1.2	4.4	18.4	9.6	7.4	22.7	6.0	45.7	22.8	11.8	29.4	64.1	
1975-80	Growth rate	17.7	12.4	28.1	19.7	20.5	27.2	33.3	27.0	25.4	35.9	17.9	21.2	22.9	
1980-87	percentage	6.1	11.3	4.6	6.1	1.9	23.2	17.2	22.6	13.0	16.4	7.0	8.8	10.6	
1975		10.4	12.0	15.2	11.1	8.7	24.8	23.2	24.3	17.6	23.5	11.1	13.4	15.2	
IMPORTS															
1975	Value	454.5	152.1	36.7	643.3	743.8	135.5	870.3	467.3	2216.9	588.1	1034.7	1237.4	2860.2	
1980	millions	854.9	734.2	77.0	1666.1	2371.3	355.5	3059.3	1563.9	7350.0	2342.4	3301.8	3372.0	9016.1	
1988	dollars	1028.5	648.9	108.0	1785.4	4056.5	763.0	6564.5	1573.2	12957.8	5764.6	4509.4	4469.3	14743.3	
1975	Per capita value	37.1	12.4	3.0	52.5	60.7	11.0	71.0	38.1	180.8	48.0	84.4	100.9	233.3	
1980	dollars	62.1	53.3	5.6	121.0	172.3	25.8	222.3	113.6	534.0	170.2	239.9	245.0	655.0	
1988		62.1	39.2	6.5	107.7	244.8	46.1	396.1	95.0	782.0	347.9	272.1	269.7	889.7	
1975	Share in country imports	12.9	4.3	1.0	18.3	21.1	3.8	24.7	13.3	62.9	16.7	29.4	35.1	81.1	
1980	percentage	8.0	6.8	0.7	15.5	22.1	3.3	28.5	14.6	68.5	21.8	30.8	31.4	84.0	
1988		6.3	4.0	0.7	11.0	25.0	4.7	40.4	9.7	79.8	35.5	27.8	27.5	90.8	
1975-80	Growth rate	13.5	37.0	16.0	21.0	26.1	21.3	28.6	27.3	27.1	31.8	26.1	22.2	25.8	
1980-88	percentage	2.3	-1.5	4.2	0.9	6.9	10.0	10.0	0.1	7.3	11.9	4.0	3.6	6.3	
1975-88		4.6	8.4	6.2	5.8	9.9	10.1	16.8	9.8	14.5	13.5	8.5	7.4	9.5	

TABLE 29 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R & D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

Philippines														
Year period	Indicator	By end-use									By R & D intensity			
		Semi-processed products			Processed products						High R & D products	Medium R & D products	Low R & D products	All products
		Food	Petroleum products	Supplies and inter-mediate	Total semi-processed	Supplies and inter-mediate	Non-durables	Industrial equipment	Other equipment and durables	Total processed				
EXPORTS														
1975	value	936.8	37.5	29.3	1003.6	173.1	106.1	8.6	7.6	295.3	17.0	100.4	1181.5	1298.9
1980	millions	1572.3	36.7	190.5	1799.5	588.6	593.3	82.6	90.9	1356.4	165.7	330.3	2658.8	3154.9
1988	of dollars	859.0	122.8	173.6	1155.4	917.0	957.8	627.5	75.5	2577.8	699.3	778.2	2256.6	3733.1
1975	Per capita value	22.0	0.9	0.7	23.6	4.1	2.5	0.2	0.2	6.9	0.4	2.4	27.8	30.5
1980		32.5	0.8	3.9	37.2	12.2	12.3	1.7	1.9	28.1	3.4	6.8	55.0	65.3
1988	dollars	14.4	2.1	2.9	19.4	15.4	16.1	10.5	1.3	43.3	11.7	13.1	37.9	62.7
1975	Share in country exports	42.3	1.7	1.3	45.3	7.8	4.8	0.4	0.3	13.3	0.8	4.5	53.3	58.6
1980		27.3	0.6	3.3	31.3	10.2	10.3	1.4	1.6	23.6	2.9	5.7	46.2	54.9
1988	percentage	12.3	1.8	2.5	16.5	13.1	13.7	9.0	1.1	36.9	10.0	11.1	32.2	53.4
1975-80	Growth rate	10.9	-0.4	45.4	12.4	27.7	41.1	57.4	64.2	35.6	57.7	26.9	17.6	19.4
1980-88	percentage	7.3	16.3	-1.2	-5.4	5.7	6.2	28.8	-2.3	8.4	19.7	11.3	2.0	2.1
1975-88		-0.7	9.6	14.7	1.1	13.7	18.4	39.1	19.3	18.1	33.1	17.1	5.1	8.5
IMPORTS														
1975	value	241.8	44.3	61.5	347.5	839.6	75.1	877.0	468.9	2260.5	543.1	1173.4	891.5	2608.0
1980	millions	360.5	377.3	101.4	839.2	1716.0	166.0	1481.5	751.3	4114.7	1115.9	1853.3	1984.8	4954.0
1988	of dollars	590.5	107.3	152.4	850.2	2327.5	247.4	1387.6	517.7	4480.2	1507.3	1676.8	2146.2	5330.3
1975	Per capita value	5.7	1.0	1.4	8.2	19.7	1.8	20.6	11.0	53.1	12.8	27.6	20.9	61.3
1980		7.5	7.8	2.1	17.4	35.5	3.4	30.7	15.5	86.2	23.1	38.4	41.1	102.5
1988	dollars	9.9	1.8	2.6	14.3	39.1	4.2	23.3	8.7	75.3	25.3	28.2	36.1	89.5
1975	Share in country imports	6.4	1.2	1.6	9.2	22.2	2.0	23.2	12.4	59.9	14.4	31.1	23.6	69.1
1980		4.3	4.5	1.2	10.1	20.7	2.0	17.9	9.1	49.6	13.5	22.3	23.9	59.7
1988	percentage	6.8	1.2	1.7	9.7	26.7	2.8	15.9	5.9	51.3	17.3	19.2	24.6	61.1
1975-80	Growth rate	8.3	53.5	10.5	19.3	15.4	17.2	11.1	9.9	12.7	15.5	9.6	17.4	13.7
1980-88	percentage	6.4	-14.5	5.2	0.2	3.9	5.1	-0.1	-0.5	1.1	3.8	-0.1	1.0	0.9
1975-88		7.1	7.0	7.2	7.1	8.2	9.6	3.6	0.8	5.4	8.2	2.8	7.0	5.7

TABLE 29 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R & D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

		Singapore												
		By end-use							By R & D intensity					
		Semi-processed products			Processed products									
Year period	Indicator	Food	Petroleum products	Supplies and inter-mediate	Total semi-processed	Supplies and inter-mediate	Non-durables	Industrial equipment	Other equipment and durables	Total processed	High R & D products	Medium R & D products	Low R & D products	All products
EXPORTS														
1975	Value	331.5	1768.5	77.8	2177.9	507.9	316.8	852.5	561.7	2238.9	800.4	703.2	2913.2	4416.8
1980	Millions of dollars	1084.3	4809.4	297.4	6191.1	2584.8	1163.9	3310.4	2269.1	9328.3	3690.0	3286.1	8043.3	15519.3
1989	of dollars	1709.4	6681.2	412.4	8803.0	5911.1	4236.0	17228.3	8803.0	32804.2	16988.8	10623.5	13995.0	41607.3
1975	Per capita value	146.4	781.2	34.4	962.0	224.3	139.9	376.5	248.1	988.9	353.5	310.6	1286.7	1950.9
1980	dollars	448.8	1990.6	123.1	2562.5	1069.9	481.8	1370.2	939.2	3861.0	1527.3	1360.1	3536.1	6423.6
1989	dollars	538.6	2495.8	154.1	3288.5	2208.1	1582.4	6435.7	2027.9	12254.1	6346.2	3968.4	5227.9	15542.5
1975	Share in country exports	6.2	32.9	1.4	40.5	9.4	5.9	15.9	10.4	41.6	14.9	13.1	54.2	82.1
1980	percentage	5.6	24.8	1.5	32.0	13.3	6.0	17.1	11.7	48.1	19.0	17.0	44.1	80.1
1989	percentage	3.8	15.0	0.9	19.7	13.3	9.5	38.6	12.2	73.6	38.1	23.8	31.4	93.3
1975-80	Growth rate	26.7	22.2	30.7	23.2	38.5	29.7	31.2	32.2	33.0	35.8	36.1	24.0	28.6
1980-89	percentage	5.2	3.7	3.7	4.0	8.4	15.4	20.1	10.2	15.0	18.5	13.9	5.6	11.6
1975-89	percentage	12.4	10.0	12.7	10.5	19.2	20.3	24.0	17.6	21.1	24.4	21.4	11.9	17.4
IMPORTS														
1975	Value	548.8	478.5	71.4	1098.6	1645.3	415.9	1745.8	823.3	4630.4	1173.9	1760.0	2795.1	5729.0
1980	Millions of dollars	1335.8	1196.0	219.5	2751.4	4003.1	1030.4	5171.9	2956.2	13161.6	4356.4	4889.5	6667.1	15913.0
1989	of dollars	2080.7	2207.8	236.8	4525.3	9481.0	4225.3	17220.2	6331.3	37257.8	17049.1	12424.1	12309.9	41783.1
1975	Per capita value	242.4	211.4	31.5	485.3	726.7	183.7	771.1	363.7	2045.2	518.5	777.4	1234.6	2530.5
1980	dollars	552.9	495.1	90.9	1138.8	1656.9	426.5	2140.7	1223.6	5447.7	1803.2	2023.8	2759.6	6586.5
1989	dollars	777.3	824.7	88.5	1690.4	3541.7	1578.4	6432.6	2365.1	13917.8	6368.7	4641.1	4598.4	15600.2
1975	Share in country imports	6.7	5.9	0.9	13.5	20.2	5.1	21.5	10.1	56.9	14.4	21.6	34.4	70.4
1980	percentage	5.6	5.0	0.9	11.5	16.7	4.3	21.5	12.3	54.8	18.1	20.4	27.8	66.3
1989	percentage	4.2	4.5	0.5	9.1	19.1	8.5	34.7	12.8	75.1	34.4	25.0	24.8	84.2
1975-80	Growth rate	19.5	20.1	25.2	20.2	19.5	19.9	24.3	29.1	23.2	30.0	22.7	19.0	22.7
1980-89	percentage	5.0	7.0	-0.3	5.7	10.1	17.0	14.3	8.8	12.3	16.4	10.9	7.1	11.3
1975-89	percentage	10.0	11.5	8.9	10.6	13.3	18.0	17.8	15.7	16.1	21.1	15.0	11.2	15.2

TABLE 29 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R & D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

		Thailand													
		By end-use							By R & D intensity						
		Semi-processed products			Processed products				High R & D products			Medium R & D products		Low R & D products	All products
Year period	Indicator	Food	Petroleum products	Supplies and inter-mediate	Total semi-processed	Supplies and inter-mediate	Non-durables	Industrial equipment	Other equipment and durables	Total processed	High R & D products	Medium R & D products	Low R & D products	All products	
EXPORTS															
1975	Value	679.3	12.1	28.4	719.8	265.2	82.1	35.3	18.4	392.0	32.9	145.4	933.6	1111.8	
1980	(millions)	1522.3	4.1	18.0	1544.4	1217.8	446.8	351.9	98.6	2115.0	364.1	860.5	2434.9	3659.4	
1987	of dollars	2551.8	29.4	42.7	2624.0	1388.3	2701.2	1321.6	226.5	5637.6	1242.5	1099.5	5919.6	8261.6	
1975	Per capita value	16.4	0.3	0.7	17.4	6.4	2.0	0.6	0.4	9.5	0.8	3.5	22.6	26.9	
1980	(dollars)	32.6	0.1	0.4	33.1	26.1	9.6	7.5	2.1	45.3	7.8	18.4	52.1	78.3	
1987		47.9	0.6	0.8	49.2	26.0	50.7	24.8	4.2	105.7	23.3	20.6	111.0	155.0	
1975	Share in country exports	31.4	0.6	1.3	33.3	12.3	3.8	1.2	0.8	18.1	1.5	6.7	43.2	51.4	
1980	(percentage)	23.9	0.1	0.3	24.2	19.1	7.0	5.5	1.5	33.2	5.7	13.5	38.2	57.5	
1987		21.9	0.3	0.4	22.6	11.9	23.2	11.4	1.9	48.5	10.7	9.5	50.9	71.0	
1975-80	Growth rate	17.5	-19.5	-8.7	16.5	35.6	40.3	68.0	39.9	40.1	61.7	42.7	21.1	26.9	
1980-87	(percentage)	7.7	32.6	13.1	7.9	1.9	29.3	20.8	12.6	15.0	19.2	3.6	13.5	12.3	
1975-87		11.7	7.7	3.4	11.4	14.8	33.8	38.6	23.3	24.9	35.3	18.4	16.6	18.2	
IMPORTS															
1975	Value	85.6	111.1	110.1	306.7	805.2	111.3	771.3	483.3	2171.2	509.6	1207.4	760.8	2477.9	
1980	(millions)	360.1	916.7	254.1	1530.9	2161.7	217.1	1698.9	925.2	5002.9	1657.0	2166.1	2710.7	6533.8	
1987	of dollars	323.3	692.8	469.9	1486.0	3781.8	411.0	3545.9	1125.7	8864.3	3165.2	3576.5	3608.6	10350.3	
1975	Per capita value	2.1	2.7	2.7	7.4	19.5	2.7	18.6	11.7	52.5	12.3	29.2	18.4	59.9	
1980	(dollars)	7.7	19.6	5.4	32.8	46.3	4.6	36.4	19.8	107.1	35.5	46.4	58.0	139.9	
1987		6.1	13.0	8.8	27.9	70.9	7.7	66.5	21.1	166.3	59.4	67.1	67.7	194.1	
1975	Share in country imports	2.6	3.4	3.4	9.4	24.6	3.4	23.5	14.7	66.2	15.5	36.8	23.2	75.6	
1980	(percentage)	3.8	9.7	2.7	16.2	22.9	2.3	18.0	9.8	52.9	17.5	22.9	28.7	69.1	
1987		2.5	5.3	3.6	11.5	29.2	3.2	27.4	8.7	68.4	24.4	27.6	27.9	79.9	
1975-80	Growth rate	33.3	52.5	18.2	37.9	21.8	14.3	17.1	13.9	18.2	26.6	12.4	28.9	21.4	
1980-87	(percentage)	-1.5	-3.9	9.2	-0.4	8.3	9.5	11.1	2.8	8.5	9.7	7.4	4.2	6.8	
1975-87		11.7	16.5	12.9	14.1	13.8	11.5	13.6	7.3	12.4	16.4	9.5	13.9	12.7	

TABLE 30

SIZE DISTRIBUTION OF MANUFACTURING ESTABLISHMENTS, SELECTED ASEAN COUNTRIES, SELECTED YEARS

(Number)

Branch (SIC code)	Malaysia							
	5-19 workers		20-49 workers		50-99 workers		More than 100 workers	
	1970	1988	1970	1988	1970	1988	1970	1988
Food products (311.2)		541		389		126		242
Beverages (313)	30	23	7	16	8	10	10	13
Tobacco (314)	28	3	17	3	17	4	5	8
Textiles (321)	17	48	7	58	7	26	20	68
Wearing apparel (322)	28	16	19	48	0	59	11	91
Leather and fur products (323)	7	5	3	13	4	2	0	1
Footwear (324)	20	1	8	2	0	3	3	3
Wood and cork products (331)	141	106	178	147	92	163	26	202
Furniture, fixtures excl. metal (332)	93	177	27	70	11	28	0	24
Paper (341)	17	13	9	47	3	21	5	28
Printing and publishing (342)	141	58	91	76	23	60	20	44
Industrial chemicals (351)	6	15	5	24	4	27	5	18
Other chemicals (352)		23		48		34		28
Petroleum refineries (353)		3		2		2		4
Prods. of petroleum and coal (354)		12		7		3		4
Rubber products (355)	9	35	14	43	5	86	17	148
Plastic products (356)	41	52	26	85	12	56	9	61
Pottery, china, earthenware (361)	39	10	42	4	11	2	6	8
Glass (362)	0	16	0	0	0	0	0	6
Other non-metallic mineral prods (369)	31	110	9	103	6	59	3	41
Iron and steel (371)	21	30	9	30	0	22	3	27
Non-ferrous metals (372)	21	1	6	3	4	6	0	8
Metal products (381)	51	215	10	130	4	69	4	50
Non-electrical machinery (382)	168	151	65	117	23	42	7	31
Electrical machinery (383)	11	16	9	37	6	28	11	35
Transport equipment (384)	13	82	6	55	5	40	0	36
Prof., scient. equipment (385)	0	0	0	1	0	1	0	14
Other manufactures (390)		53		27		14		20

TABLE 30

SIZE DISTRIBUTION OF MANUFACTURING ESTABLISHMENTS, SELECTED ASEAN COUNTRIES, SELECTED YEARS
(Number)

Branch (ISIC code)	Singapore							
	10-29 workers		30-49 workers		50-99 workers		More than 100 workers	
	1980	1986	1980	1986	1980	1986	1980	1986
Food products (311/2)	188	202	42	36	28	31	20	19
Beverages (313)	7	6	1	3	3	3	5	3
Tobacco (314)	4	1	1	1	0	0	3	2
Textiles (321)	45	41	13	8	17	13	24	3
Wearing apparel (322)	228	239	46	37	35	37	65	58
Leather and fur products (323)	29	23	6	1	6	1	1	1
Footwear (324)	41	44	9	3	4	3	1	0
Wood and cork products (331)	68	70	29	12	18	11	16	7
Furniture, fixtures excl metal (332)	80	121	10	10	17	14	10	10
Paper (341)	49	41	14	17	18	14	12	6
Printing and publishing (342)	216	233	34	31	21	33	18	20
Industrial chemicals (351)	25	28	6	10	9	12	5	7
Other chemicals (352)	46	41	14	21	20	14	9	12
Petroleum refineries and products (353A)	0	1	3	3	1	1	6	6
Rubber products (355)	20	23	10	3	4	5	12	5
Plastic products (356)	99	124	40	44	34	27	22	15
Pottery, china, earthenware, glass (361A)	6	8	5	0	0	2	2	0
Other non-metallic mineral prods (369)	36	44	11	19	20	19	9	13
Iron and steel (371)	8	9	2	0	2	2	5	3
Non-ferrous metals (372)	6	11	2	0	4	5	0	1
Metal products (381)	204	274	45	50	54	55	35	34
Non-electrical machinery (382)	189	243	45	46	26	32	35	33
Electrical machinery (383)	80	77	34	30	52	55	125	136
Transport equipment (384)	139	129	44	21	28	16	42	31
Prof. scient. equipment (385)	24	19	7	4	6	5	18	12
Other manufactures (390)	84	108	19	20	11	10	18	9

The following ISIC combinations are reported 353A = 353 + 354
361A = 361 + 362

TABLE 31 NUMBER OF ESTABLISHMENTS BY TYPE OF OWNERSHIP AND MANUFACTURING BRANCH, SELECTED ASEAN COUNTRIES, SELECTED YEARS

Branch (ISIC code)	Indonesia (1986)						
	Government	National Private	Joint govern- ment/private	Foreign Private	Government/ foreign private	Joint national/foreign national/private/ foreign private	Other
Food products (311/2)	181	2618	44	8	6	31	4
Beverages (313)	2	121	0	1	0	7	1
Tobacco (314)	8	829	8	1	0	5	0
Textiles (321)	33	1930	15	7	3	40	0
Wearing apparel (322)	1	625	7	0	0	0	0
Leather and fur products (323)	3	72	0	1	0	0	0
Footwear (324)	0	112	0	2	0	1	0
Wood and cork products (331)	24	788	11	2	3	35	0
Furniture, fixtures excl metal (332)	1	286	6	2	0	2	0
Paper (341)	5	116	0	0	0	6	0
Printing and publishing (342)	20	436	4	1	1	3	0
Industrial chemicals (351)	26	142	2	3	2	16	0
Other chemicals (352)	13	387	1	6	2	61	1
Petroleum refineries (353)							
Prods of petroleum and coal (354)							
Rubber products (355)	55	297	3	17	0	13	0
Plastic products (356)	0	532	2	1	0	9	0
Pottery, china, earthenware (361)	1	38	0	1	0	2	0
Glass (362)	1	28	0	0	0	3	0
Other non-metallic mineral prods (369)	25	1088	11	0	0	7	3
Iron and steel (371)	3	24	0	0	2	1	0
Non-ferrous metals (372)							
Metal products (381)	14	495	4	0	4	38	1
Non-electrical machinery (382)	13	148	1	0	2	16	1
Electrical machinery (383)	3	156	2	0	2	22	1
Transport equipment (384)	17	270	5	0	1	14	0
Prof. scient. equipment (385)	0	41	1	0	0	1	0
Other manufactures (390)	2	167	1	0	0	5	0

TABLE 31 NUMBER OF ESTABLISHMENTS BY TYPE OF OWNERSHIP AND MANUFACTURING BRANCH,
SELECTED ASEAN COUNTRIES, SELECTED YEARS

Branch (ISIC code)	Malaysia (1988)		
	Malaysian residents	Non-Malaysian residents	Joint ownership
Food products (311-2)	1240	53	5
Beverages (313)	51	11	0
Tobacco (314)	15	3	0
Textiles (321)	175	24	1
Wearing apparel (322)	181	31	2
Leather and fur products (323)	20	1	0
Footwear (324)	9	0	0
Wood and cork products (331)	599	18	1
Furniture, fixtures excl metal (332)	290	9	0
Paper (341)	102	6	1
Printing and publishing (342)	233	4	1
Industrial chemicals (351)	61	21	2
Other chemicals (352)	99	43	1
Petroleum refineries (353)	5	6	0
Prods of petroleum and coal (354)	25	1	0
Rubber products (355)	239	71	2
Plastic products (356)	233	20	1
Pottery, china, earthenware (361)	19	5	0
Glass (362)	20	2	0
Other non-metallic mineral prods (369)	300	13	0
Iron and steel (371)	99	10	0
Non-ferrous metals (372)	14	4	0
Metal products (381)	430	31	3
Non-electrical machinery (382)	320	20	1
Electrical machinery (383)	121	119	2
Transport equipment (384)	202	6	5
Prof., scient. equipment (385)	2	14	0
Other manufactures (390)	85	28	1

TABLE 31 NUMBER OF ESTABLISHMENTS BY TYPE OF OWNERSHIP AND MANUFACTURING BRANCH,
SELECTED ASEAN COUNTRIES, SELECTED YEARS

Singapore								
Capital structure								
Branch (ISIC code)	wholly local		More than half local		Less than half local		wholly foreign	
	1980	1986	1980	1986	1980	1986	1980	1986
Food products (311-2)	209	226	35	32	19	13	15	17
Beverages (313)	12	9	2	4	2	1	0	1
Tobacco (314)	6	3	1	1	0	0	1	0
Textiles (321)	36	44	15	11	29	5	19	5
wearing apparel (322)	285	306	51	43	23	13	15	9
Leather and fur products (323)	34	21	5	2	2	2	1	1
Footwear (324)	44	40	5	6	4	3	2	1
Wood and cork products (331)	94	81	14	9	8	5	15	5
Furniture, fixtures excl. metal (332)	92	130	9	15	5	5	11	5
Paper (341)	61	53	10	11	14	6	8	8
Printing and publishing (342)	241	278	28	20	8	7	12	12
Industrial chemicals (351)	7	13	7	9	16	13	15	22
Other chemicals (352)	42	39	10	8	13	7	24	34
Petroleum refineries and products (353A)	1	2	0	0	1	2	8	7
Rubber products (355)	31	23	6	5	3	3	6	5
Plastic products (356)	122	157	32	19	25	12	16	22
Pottery, china, earthenware, glass (361A)	6	6	1	2	4	1	2	1
Other non-metallic mineral prods (369)	48	66	9	13	9	5	10	11
Iron and steel (371)	9	10	3	2	3	1	2	1
Non-ferrous metals (372)	4	6	3	2	2	2	3	7
Metal products (381)	228	297	32	40	24	22	54	54
Non-electrical machinery (382)	178	230	25	24	23	23	71	77
Electrical machinery (383)	83	109	27	23	48	29	133	137
Transport equipment (384)	194	142	24	22	12	10	23	23
Prof. scient. equipment (385)	14	10	5	4	10	4	26	22
Other manufactures (390)	80	108	14	18	13	8	25	13

The following ISIC combinations are reported: 351, 353 + 354
361A, 361 + 362

TABLE 32 ADDITION TO FIXED ASSETS BY TYPE OF TRANSACTION AND MANUFACTURING BRANCH, SELECTED ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Indonesia												
Branch (ISIC code)	Number of establishments		Total addition to fixed assets (1000 dollars)		New purchases (1000 dollars)		Second-hand purchases (1000 dollars)		Alterations and improvements (1000 dollars)		Sale of fixed assets (1000 dollars)	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Food products (311-2)	2842	2892	284672	238970	177314	163017	63837	42151	54844	42034	11323	8233
Beverages (313)	131	132	16656	9882	9855	7527	2804	815	4110	1851	113	310
Tobacco (314)	909	851	55472	84916	47965	71756	8102	2512	14075	14150	14670	3501
Textiles (321)	2033	2028	93719	83093	69344	53639	28699	19741	32979	16609	37304	6896
Wearing apparel (322)	645	633	98850	13442	69386	10188	26730	2367	2896	1212	162	325
Leather and fur products (323)	80	76	2750	2549	2106	2443	373	152	1863	138	1592	184
Footwear (324)	116	115	4070	2939	2819	3143	1015	184	281	159	45	546
Wood and cork products (331)	920	863	135474	220755	79577	88059	36205	49958	21567	88915	1876	6178
Furniture, fixtures excl. metal (332)	284	297	4825	5807	2525	3294	2176	2301	455	890	331	678
Paper (341)	135	127	40073	34359	25269	28903	5501	4799	9743	1370	440	712
Printing and publishing (342)	469	475	81518	27179	56975	21878	23310	5896	2447	1936	1213	2531
Industrial chemicals (351)	193	191	175247	160991	134413	137171	19704	5212	24438	19854	3308	1246
Other chemicals (352)	474	471	78442	52703	56975	47106	12997	4459	20225	7086	11754	5949
Petroleum refineries (353)												
Prods. of petroleum and coal (354)												
Rubber products (355)	401	385	62369	38079	41289	19775	16554	13948	10011	5151	5486	796
Plastic products (356)	558	544	53942	36292	35525	22768	19834	14538	1517	749	2935	1763
Pottery, china, earthenware (361)	45	42	16412	21108	4540	20924	306	165	11594	25	28	6
Glass (362)	40	32	16536	4944	8070	1973	2966	775	5881	2228	381	32
Other non-metallic mineral prods (369)	1164	1134	226105	97530	141390	91712	13311	3615	76104	2935	4700	732
Iron and steel (371)	30	30	32216	13628	33980	6450	6780	2303	7013	4931	15557	56
Non-ferrous metals (372)												
Metal products (381)	548	556	59897	36921	43662	28167	13614	7823	4565	3601	1944	2669
Non-electrical machinery (382)	187	180	31353	19498	23317	11777	3470	4325	6500	3984	1934	588
Electrical machinery (383)	200	186	53071	25129	49216	19154	7741	3238	6968	3334	10903	596
Transport equipment (384)	308	307	104726	163981	72070	100049	24906	38124	15702	27856	7952	2049
Prof. scient. equipment (385)	40	43	4041	3913	3799	3629	187	103	147	187	92	5
Other manufactures (390)	157	175	7144	9626	4689	3370	2428	6395	168	310	140	249

TABLE 32 ADDITION TO FIXED ASSETS BY TYPE OF TRANSACTION AND MANUFACTURING BRANCH, SELECTED ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Philippines												
Branch (ISIC code)	Number of establishments		Total addition to fixed assets (1000 dollars)		New purchases (1000 dollars)		Second-hand purchases (1000 dollars)		Alterations and improvements (1000 dollars)		Sale of fixed assets (1000 dollars)	
	1983	1985	1983	1985	1983	1985	1983	1985	1983	1985	1983	1985
Food products (311/2)	1505	1331	184663	96141	139875	86237	27458	4672	18984	9410	1653	4178
Beverages (313)	91	88	57474	41450	43696	38993	1621	1128	12960	1490	802	161
Tobacco (314)	29	26	79642	-70700	3878	40255	75721	134	178	251	135	111340
Textiles (321)	323	312	37672	27872	31925	19029	3521	3665	2627	5565	401	388
Wearing apparel (322)	438	413	10186	10315	8729	6963	484	1733	1038	1831	65	212
Leather and fur products (323)	47	50	200	350	139	80	42	1	19	269	0	0
Footwear (324)	141	132	1058	1234	408	840	245	144	405	256	1	6
Wood and cork products (331)	347	284	22705	14477	10289	7168	7432	2439	5141	4967	157	97
Furniture, fixtures excl metal (332)	301	276	4326	4018	3290	2637	734	830	429	617	128	66
Paper (341)	98	99	10113	4352	10019	2527	2541	1273	2561	915	5007	364
Printing and publishing (342)	353	354	5909	1797	3448	904	2125	353	452	693	116	153
Industrial chemicals (351)	95	82	22002	21133	17719	17321	658	409	4039	4016	414	613
Other chemicals (352)	191	212	22633	87151	17700	78599	3648	1028	2867	8281	1582	757
Petroleum refineries (353)	4	4	10360	39690	10740	39724	0	0	0	0	380	35
Prods of petroleum and coal (354)	8	8	290	106	45	3	155	96	92	6	1	0
Rubber products (355)	107	107	4777	12893	3337	12037	99	315	1882	856	540	315
Plastic products (356)	143	157	8621	3735	6123	3520	1527	140	1316	145	345	70
Pottery, china, earthenware (361)	19	21	600	861	574	234	0	6	26	630	0	8
Glass (362)	27	27	16428	6370	14269	5506	528	665	1814	223	184	24
Other non-metallic mineral prods (369)	201	171	47072	19206	31566	6581	11804	2423	4152	11776	450	1575
Iron and steel (371)	119	105	22745	101699	17204	79683	1133	3406	4471	18641	64	31
Non-ferrous metals (372)	33	34	4574	2618	3658	1402	518	32	507	1226	109	42
Metal products (381)	320	285	12346	4689	8375	5813	2547	542	1645	1969	218	3634
Non-electrical machinery (382)	322	328	3965	5431	2859	2853	714	794	580	2381	189	597
Electrical machinery (383)	151	148	57192	44675	47409	52559	4341	263	5727	4415	285	12562
Transport equipment (384)	178	161	18046	4389	12983	3532	4720	805	2360	342	2017	290
Prof. scient. equipment (385)	10	12	788	1516	763	1025	52	7	45	484	13	0
Other manufactures (390)	132	142	2456	6832	1797	4467	367	372	369	2357	77	364

TABLE 32 ADDITION TO FIXED ASSETS BY TYPE OF TRANSACTION AND MANUFACTURING BRANCH, SELECTED ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

		Singapore											
		Number of establishments		Total addition to fixed assets (1000 dollars)		New purchases (1000 dollars)		Second-hand purchases (1000 dollars)		Alterations and improvements (1000 dollars)		Sale of fixed assets (1000 dollars)	
Branch	ISIC code	1984	1986	1984	1986	1984	1986	1984	1986	1984	1986	1984	1986
Food products	(311-2)	301	288	54744	22997	34654	23232	22859	1522	1129	328	3898	2084
Beverages	(313)	14	15	19320	7861	18853	7951	1359	158	0	35	892	283
Tobacco	(314)	4	4	16202	3705	16334	3877	43	0	2	0	178	172
Textiles	(321)	80	65	129	5986	3701	6259	278	252	0	9	3849	535
wearing apparel	(322)	387	371	17683	8787	19429	10316	1160	726	151	183	3058	2438
Leather and fur products	(323)	38	26	625	164	704	136	0	0	0	34	80	6
Footwear	(324)	57	50	571	317	666	370	9	8	0	2	104	63
Wood and cork products	(331)	104	100	4924	276	5051	944	985	122	381	90	1494	380
Furniture, fixtures excl. metal	(332)	142	155	10362	13955	10323	14236	951	83	37	49	949	414
Paper	(341)	86	78	10293	16594	12367	7549	2307	9362	54	159	4434	475
Printing and publishing	(342)	326	317	39871	31359	40518	36252	729	1487	1601	261	2975	5640
Industrial chemicals	(351)	56	57	63788	24948	64781	26700	15	3053	158	202	1165	5068
Other chemicals	(352)	90	88	31109	9507	31778	9493	184	111	140	58	993	154
Petroleum refineries and products	(353A)	12	11	60071	54862	62188	56393	4575	328	1485	5	8178	1864
Rubber products	(355)	46	36	-17229	1152	9912	1489	414	105	71	227	27626	669
Plastic products	(356)	224	210	16407	14662	22348	13281	1975	3133	1572	137	9489	1890
Pottery, china, earthenware, glass	(361A)	13	10	554	452	734	451	0	0	0	35	180	34
Other non-metallic mineral prod.	(369)	96	95	25069	2152	25737	11726	870	660	104	186	1641	10420
Iron and steel	(371)	15	14	21894	2785	13147	2714	60	0	8689	89	1	18
Non-ferrous metals	(372)	20	17	2223	2752	2505	2525	24	468	100	54	406	294
Metal products	(381)	435	413	69751	44348	71253	49571	3593	2236	2019	1203	7114	8661
Non-electrical machinery	(382)	349	354	50383	32680	58618	38069	2613	4524	1862	2362	12711	12275
Electrical machinery	(383)	324	298	314667	379602	337426	367238	8315	34516	2290	5338	33363	27489
Transport equipment	(384)	252	197	36989	21300	43840	25227	18577	1060	1383	1533	26811	6520
Prof. scient. equipment	(385)	46	40	10322	15760	8828	13579	310	1912	1795	590	612	322
Other manufactures	(390)	139	147	9699	9251	11069	9531	133	535	70	201	1573	1016

The following ISIC combinations are reported:
 353A = 353 + 354
 361A = 361 + 362

TABLE 33

ADDITION TO FIXED ASSETS PER ESTABLISHMENT AND PERCENTAGE DISTRIBUTION AMONG THE MANUFACTURING BRANCHES,
SELECTED ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Branch (ISIC code)	Indonesia				Philippines				Singapore					
	Addition to fixed assets		Percentage distribution		Addition to fixed assets		Percentage distribution		Addition to fixed assets		Percentage distribution			
	per establishment (in current dollars)	1985	1986	1985	1986	per establishment (in current dollars)	1983	1985	1983	1985	per establishment (in current dollars)	1984	1986	1984	1986
Food products (311-2)	100166	82631	16 36	16 97	122700	72232	27 61	19 45	181874	79851	6 29	3 16		
Beverages (313)	127145	74864	0 96	0 70	631582	471022	8 59	8 39	1380000	524067	2 22	1 08		
Tobacco (314)	61025	39784	3 19	6 03	2746276	2719231	11 91	14 30	4050500	926250	1 86	0 51		
Textiles (32)	46099	40973	5 39	5 90	116632	89333	5 63	5 64	1612	92092	0 01	0 82		
wearing apparel (322)	153256	21235	5 68	0 95	23256	24976	1 52	2 09	45693	23685	2 03	1 21		
Leather and fur products (323)	34375	33539	0 16	0 18	4255	7000	0 03	0 07	16447	6308	0 07	0 02		
Footwear (324)	35086	25557	0 23	0 21	7504	9348	0 16	0 25	10018	6340	0 07	0 04		
Wood and cork products (33)	147254	255800	7 79	15 68	65432	50975	3 39	2 93	47346	2760	0 57	0 04		
Furniture, fixtures excl. metal (332)	16989	19552	0 18	0 41	14372	14558	0 65	0 81	72972	90032	1 19	1 92		
Paper (34)	296837	270543	2 30	2 44	103194	43960	1 51	0 88	119686	212744	1 18	2 28		
Printing and publishing (342)	173812	57219	4 69	1 93	16739	5076	0 88	0 36	122304	98924	4 58	4 31		
Industrial chemicals (351)	908016	842885	10 07	11 43	231600	257720	3 29	4 28	1139071	437684	7 33	3 43		
Other chemicals (352)	165489	111896	4 51	3 74	118497	411090	3 38	17 63	345656	100034	3 57	1 31		
Petroleum refineries (353)					2590000	9922500	1 55	8 03	5005917	4987455	6 90	7 53		
Prods. of petroleum and coal (354)					36250	13250	0 04	0 02	a/	a/	a/	a/		
Rubber products (355)	155534	98906	3 59	2 70	44645	120495	0 71	2 61	374543	32000	1 98	0 16		
Plastic products (356)	96670	66713	3 10	2 58	60287	23790	1 29	0 76	73246	69819	1 88	2 01		
Pottery, china, earthenware (361)	364711	502571	0 94	1 50	31579	41000	0 09	0 17	42615	45200	0 06	0 06		
Glass (362)	413400	154500	0 95	0 35	608444	235926	2 46	1 29	b/	b/	b/	b/		
Other non-metallic mineral prods. (369)	194248	86005	13 00	5 93	234189	112316	7 04	3 89	261135	22653	2 88	0 30		
Iron and steel (37)	1073867	454267	1 95	0 97	191134	968562	3 40	20 57	1459600	198929	2 52	0 38		
Non-ferrous metals (372)					138606	77000	0 68	0 53	111150	161882	0 26	0 38		
Metal products (381)	109301	66405	3 44	2 62	38587	16453	1 85	0 95	160347	107380	8 01	6 09		
Non-electrical machinery (382)	167660	108322	1 80	1 28	12314	16558	0 59	1 10	144364	92316	5 79	4 49		
Electrical machinery (383)	265355	135162	3 05	1 78	378755	301858	8 55	9 04	971194	1273832	36 15	52 13		
Transport equipment (384)	340019	534140	6 02	11 64	101382	27261	2 70	0 89	146782	108122	4 25	2 92		
Professional equipment (385)	101025	91000	0 23	0 28	78800	126333	0 12	0 31	224391	394000	1 19	2 16		
Other manufactures (390)	45503	55006	0 41	0 68	18606	48113	0 37	1 38	69777	62932	1 11	1 27		

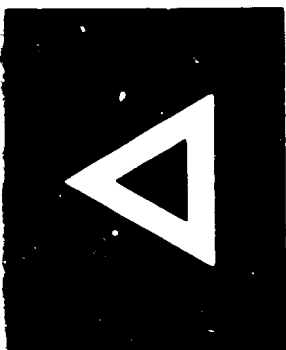
a. ISIC 354 is included in ISIC 353

b. ISIC 362 is included in ISIC 361

TABLE 34 ANNUAL DIRECT FOREIGN INVESTMENT ASEAN COUNTRIES,
IN CURRENT DOLLARS
(Million)

Year	Indonesia	Malaysia	Philippines	Singapore	Thailand
1984			233.6	625.7	407.7
1985			131.6	403.6	162.1
1986	800.7		78.2	546.9	262.7
1987	1239.7		166.6	687.6	351.6
1988	4425.9	767.7	451.5	328.0	1116.6
1989	4719.0	1245.0	804.0	871.2	7995.0
1990	8753.0	2303.0	961.0	1223.0	14128.0
<u>Average annual foreign investment</u>					
1966-76	108.4	193.5	20.7	274.5	63.6
1977-85	227.8	868.9	55.8	982.6	201.2

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