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20749

Distr.  
LIMITED

PPD.251  
29 September 1993

UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION

ORIGINAL: ENGLISH

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ASEAN INDUSTRY IN FIGURES 1993\*

Prepared by the  
Industrial Statistics and Sectoral Surveys Branch  
Industrial Policy and Perspectives Division

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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 products"). 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.

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. 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
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 1993" 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.

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 in two sections: Part 1. International comparisons, where data are shown for the ASEAN countries as a group, for selected country groups and countries, and, Part 2. Country indicators which focuses on individual ASEAN countries and selected Asian developing countries in order to facilitate comparison.

While relying largely on readily available data - particularly data compiled by UNIDO and other Statistical Offices of the United Nations - the presentation of data in ASEAN Industry in Figures 1993 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 by official national sources. 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.<sup>1</sup>

Manufacturing value added (MVA), when referring to the manufacturing sector as a whole, is estimated in accordance with the national accounting concept. It represents the net contribution of the manufacturing sector to gross domestic product (GDP). Value added, shown by manufacturing group, branch or industry (i.e. at the 2-digit, 3-digit or 4-digit level of ISIC) is derived from the UNIDO database on industrial statistics. The majority of countries included in the country groups, other than ASEAN, report value added in producers' prices. For the ASEAN countries value added is reported in producers' prices for the Philippines and Thailand while Indonesia, Malaysia and Singapore show value added at factor costs.

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<sup>1</sup>The 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).



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. Those developing countries that have recorded extraordinarily high rates of growth for manufactured exports over the 1970s<sup>2</sup> are in this publication referred to as dynamic exporters of manufactures (DEM). The ASEAN countries belong to this group, however, to facilitate intra-group comparisons, data are shown separately in part one of this publication for the ASEAN countries as a group and the non-ASEAN DEM. Due to insufficient data, China could not be included in any country grouping or world totals.

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 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

### Part One. International Comparisons.

Table 1.1 shows the distribution of GDP by sector of origin for the ASEAN countries as a group and selected countries and country groups. GDP in this instance is calculated as the sum of the sectoral components.

Table 1.2 shows the average annual growth rates of the total GDP as well as its components for the ASEAN countries as a group and selected countries and country groups.

Table 1.3 shows GDP per capita and MVA per capita and the average annual growth rates of the per capita data for the ASEAN countries as a group and selected countries and country groups.

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<sup>2</sup>Industry in the 1980s, Structural Change and Interdependence, UNIDO, ID/331, 1985, p.4.

Table 1.4 presents the share of industries grouped by end-use and factor-intensity in total MVA for the ASEAN countries as a group as well as for selected countries and country groups.

Table 1.5 shows the percentage distribution of MVA among the 28 manufacturing branches (i.e. the 28 major groups within division 3 of ISIC), for the ASEAN countries as a group and for selected countries and country groups.

Table 1.6 shows the annual average growth rates of value added for the 28 manufacturing branches for the ASEAN countries as a group as well as for selected countries and country groups.

Table 1.7 gives a comparison of shares in world MVA and world manufactured exports of the ASEAN countries as a group and selected countries and country groups. It must be noted that here MVA is based on constant prices while exports are in current prices.

Table 1.8 presents ratios of commodity exports and imports (SITC 0-9) to GDP as well as manufactured exports and imports (SITC 5 to 8, less 68) to total trade for ASEAN countries as a group and selected countries and country groups.

Table 1.9 shows per capita trade in goods and services and its growth for the ASEAN countries as a group and for selected countries and country groups.

Table 1.10 presents the flow of manufactured exports (SITC 5 to 8, less 68) from and to the ASEAN countries as a group as well as from and to selected countries and country groups.

Data shown in tables 1.1 to 1.6 and 1.9 are at constant 1980 prices.

## Part Two. Country indicators

Table 2.1 shows the distribution of GDP by sector of origin for the individual ASEAN countries, where GDP is calculated as the sum of its components.

Table 2.2 shows the annual average growth rates of total GDP and its components for individual ASEAN countries as well as for selected Asian developing countries.

Table 2.3 presents per capita data for both GDP and MVA and their growth for individual ASEAN countries and selected Asian developing countries.

Table 2.4 shows the industry groups' share in total MVA for individual ASEAN countries as well as selected Asian developing countries.

Table 2.5 gives the structure of MVA, i.e. the percentage distribution of the 28 branches of manufacturing in total MVA (ISIC 300) for individual ASEAN countries.

Figure 1 is based on table 2.5 and shows the change over time in the shares of manufacturing groups at the 2-digit level of ISIC in total manufacturing (ISIC 300).

Table 2.6 shows the average annual growth rates of the 28 manufacturing branches for individual ASEAN countries. Growth rates for the Philippines were not shown for the later period, because of inconsistencies in data reporting as stated below.

It should be noted that some indicators for the Philippines, i.e. distribution of value added among the manufacturing branches (table 2.5) and the indices of relative specialization (table 2.8) as well as manufacturing employment by branch (table 2.10) 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.

Table 2.7 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 2.8 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 2.9 lists the share of manufacturing in GDP and GDP per capita to show the structural transformation during the period 1965 to 1990 for the ASEAN and selected Asian developing countries. Although for the ASEAN countries these figures are given in tables 2.1 and 2.3, they are repeated here and supplemented with data for additional years in order to facilitate a comparison with the selected Asian developing countries.

Figure 2 which is based on the data presented in table 2.9 shows the patterns of structural transformation with 1965 and 1990 as end points. The data are presented in semi-log form.

Table 2.10 shows the percentage distribution of manufacturing employment among the 28 manufacturing branches and the annual growth rates for ASEAN countries. Growth rates for the Philippines for the period after 1980 are shown, however, the data are not comparable to the earlier period, due to changes in data coverage. Data for Thailand could not be obtained.

Table 2.11 gives 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 the individual ASEAN countries.

Table 2.12 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 and selected Asian developing countries. In this instance, national accounts data are shown.

Table 2.13 presents the export trade flow of manufactured exports (SITC 5 to 8, less 68) by origin and destination for the ASEAN as well as selected Asian countries as a percentage of total manufactured export in Asia.

Table 2.14 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 2.15 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:

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

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

Table 2.16 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.

Table 2.17 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.

Table 2.18 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 2.18.

Table 2.19 shows selected indicators of demand-supply relationships concerning the 81 manufacturing industries at the four-digit level of ISIC for the ASEAN countries. The percentage of output in apparent consumption e.g. is presented as an indicator of self-sufficiency and trade-dependence is shown by the percentage of imports in apparent consumption. 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 2.20 shows the value indices (1985=100), 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 criteria for these industries were 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 3 presents in graph form the development of production, imports and exports in current values on the same scale per industry for selected ASEAN countries.

Table 2.21 shows the main manufactured exports of the ASEAN countries, based on value, at the four-digit level of ISIC for 1991 and a comparison to earlier years.

Table 2.22 shows the main manufactured imports of the ASEAN countries, based on value, at the four-digit level of ISIC for 1991 and a comparison to earlier years.

Table 2.23 shows the sectoral shares and geographical distribution of direct foreign investment for the ASEAN countries. For Malaysia and Singapore these data are only available for the manufacturing sector while for Indonesia, the Philippines and Thailand all sectors are covered. The indicators presented here are based on data supplied by national sources. Definitions of direct foreign investment show variations from country to country and are, therefore, given in footnotes on the tables in question.

APPENDIX I  
LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS

ASEAN	Non-ASEAN Asian developing countries	Non-ASEAN DEM	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 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		oo
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, n e s		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				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		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							
67	Iron and steel		X			X		X
68	Non-ferrous metals		X			X		X
69	Manufactures of metal, n e s			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
7296	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		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		X
86	Professional instruments etc			X				
less 863	less developed cinematographic film						X	
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	



PART ONE. INTERNATIONAL COMPARISONS

TABLE 1.1 DISTRIBUTION OF GDP BY SECTOR OF ORIGIN, SELECTED COUNTRIES AND COUNTRY GROUPS,  
AT CONSTANT 1980 PRICES, 1970, 1980 AND 1990  
(Percentage)

Country/country group	Year	Industry			
		Agriculture	Total	Manufacturing	Services
ASEAN	1970	29.15	28.59	14.31	38.43
	1980	21.91	32.16	18.69	5.76
	1990	17.23	33.93	24.04	43.83
Non-ASEAN Asian DCs	1970	23.06	41.60	11.52	30.76
	1980	16.82	37.83	14.20	7.00
	1990	16.28	35.54	19.80	47.19
Non-ASEAN OEC	1970	13.59	27.99	24.24	6.06
	1980	10.07	30.51	20.32	6.73
	1990	9.47	31.01	25.91	5.47
All developing countries	1970	21.05	34.22	16.07	39.41
	1980	15.54	33.83	18.03	43.86
	1990	15.64	32.63	20.00	46.70
EC	1970	4.53	32.84	28.33	53.40
	1980	3.96	32.13	27.54	56.30
	1990	3.66	30.13	25.93	60.01
Japan	1970	5.97	30.73	27.19	52.32
	1980	3.55	31.39	28.20	56.07
	1990	2.63	34.97	31.90	54.69
USA	1970	3.13	28.79	21.35	61.15
	1980	2.60	28.17	21.65	64.08
	1990	2.67	27.64	22.52	66.23
All developed countries	1970	6.27	32.68	26.66	52.48
	1980	4.93	33.41	27.77	54.59
	1990	4.46	32.82	27.80	56.23
World	1970	8.78	32.94	24.65	50.26
	1980	7.03	33.49	25.84	52.47
	1990	6.67	32.78	25.85	54.27

TABLE 1.2 ANNUAL GROWTH OF GDP, TOTAL AND BY SECTOR OF ACTIVITY, FOR SELECTED COUNTRIES AND COUNTRY GROUPS, AT CONSTANT 1980 PRICES,  
SELECTED PERIODS  
(Percentage)

Country/country group	Sector of activity									
	GDP		Agriculture		Industry		Construction		Services	
	1975-1985	1985-1990	1975-1985	1985-1990	1975-1985	1985-1990	1975-1985	1985-1990	1975-1985	1985-1990
ASEAN	6.03	7.04	4.06	3.07	6.18	8.74	6.99	6.62	6.92	7.60
Non-ASEAN Asian DCs	3.34	5.02	2.83	3.07	1.04	6.66	3.66	4.96	5.80	4.53
Non-ASEAN DEM	3.96	3.36	2.92	1.12	4.29	3.82	2.34	3.42	4.17	3.51
All developing countries	3.27	3.63	2.41	2.71	2.24	4.42	2.53	2.81	4.49	3.50
EC	2.30	3.16	2.00	1.10	1.94	5.62	-0.62	3.66	2.89	3.68
Japan	4.44	4.91	-0.53	0.52	5.85	5.66	0.26	6.77	4.71	4.43
USA	2.99	3.04	2.30	1.89	3.19	2.46	1.02	2.47	3.09	3.38
All developed countries	2.93	3.07	1.27	1.29	3.20	2.63	0.74	3.67	3.22	3.42

TABLE 1.3 GDP PER CAPITA, MVA PER CAPITA AND THEIR GROWTH, SELECTED COUNTRIES AND 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	
	1970	1980	1990	1975-1985	1985-1990	1970	1980	1990	1975-1985	1985-1990
ASEAN	423	694	984	3.70	4.91	60	130	237	5.90	8.78
Non-ASEAN Asian DCs	503	683	789	0.93	2.65	58	97	156	5.11	4.61
Non-ASEAN DEM	1506	2164	2325	1.77	1.42	365	569	602	1.64	1.82
All developing countries	744	983	1014	0.80	1.21	120	177	203	2.17	2.00
EC	7316	9362	11534	1.98	2.98	2072	2578	2990	1.48	2.57
Japan	6576	9403	13770	3.61	4.46	1788	2852	4392	5.24	6.29
USA	10158	11891	14471	1.94	2.19	2169	2575	3259	2.70	2.35
All developed countries	6074	7781	9591	2.18	2.46	1819	2151	2666	2.59	2.31

TABLE 1.4 SHARE OF INDUSTRY GROUPS IN TOTAL MVA, SELECTED COUNTRIES AND COUNTRY GROUPS, AT CONSTANT 1980 PRICES, 1980 AND THE LATEST YEAR  
(Percentage)

Country or area	Latest year	Industries grouped according to end-use						Industries grouped according to factor intensity							
		Consumer non-durables		Industrial intermediates		Capital goods, including consumer durables		Labour-intensive industries		Capital-intensive industries		Resource-based industries		Technology intensive industries	
		1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year
ASEAN	1991	46.94	45.50	32.48	23.04	20.58	30.46	17.64	14.50	45.83	45.43	24.13	23.46	12.40	16.61
Non-ASEAN Asian DCs	1990	46.52	35.63	26.20	26.04	27.28	38.33	25.80	18.15	40.09	39.97	15.39	13.07	17.73	28.81
Non-ASEAN DEM	1990	43.28	40.08	25.68	26.27	31.04	33.65	18.26	15.49	44.02	42.81	20.55	19.35	17.17	22.35
All developing countries	1990	45.63	42.33	26.10	27.56	28.27	30.11	20.18	16.24	42.77	43.26	21.59	21.65	15.48	18.84
EC	1991	32.41	31.20	22.26	22.63	45.27	46.17	13.96	11.01	43.63	43.92	14.41	15.37	28.11	29.70
Japan	1992	26.96	21.01	18.65	17.24	54.38	61.76	9.66	5.55	47.29	39.97	14.10	11.99	28.95	42.49
USA	1992	30.96	30.85	20.56	21.38	48.48	47.77	11.13	10.28	43.70	42.12	14.03	13.65	31.14	34.09
All developed countries	1990	34.17	33.50	20.67	19.79	45.15	46.71	13.74	12.22	41.41	37.87	15.98	15.99	28.87	33.92

TABLE 1.5 STRUCTURE OF MVA IN SELECTED COUNTRIES AND COUNTRY GROUPS, AT CONSTANT 1980 PRICES, 1980 AND THE LATEST YEAR  
(Percentage)

Branch (SIC code)	ASEAN		Non-ASEAN Asian DCs		Non-ASEAN DEM		EC		Japan		USA	
	1980	1991	1980	1990	1980	1990	1980	1991	1980	1992	1980	1992
Food products (311/2)	18.19	20.37	10.05	8.08	15.50	13.95	9.86	10.67	7.73	6.02	7.05	6.95
Beverages (313)	2.74	3.30	1.32	1.07	3.31	3.00	2.30	2.44	1.76	1.25	1.31	1.23
Tobacco (314)	4.36	2.67	1.95	1.19	1.09	0.96	0.72	0.60	0.56	0.37	0.68	0.54
Textiles (321)	6.39	4.87	16.94	11.22	8.63	6.32	4.54	3.59	4.08	2.36	3.02	2.70
wearing apparel (322)	4.46	5.55	5.20	3.75	3.39	3.13	2.92	2.04	1.37	0.83	2.59	1.99
Leather and fur products (323)	0.14	0.17	0.80	0.69	0.80	0.71	0.60	0.45	0.24	0.15	0.24	0.13
Footwear (324)	0.36	0.38	0.84	0.57	1.17	0.86	1.02	0.61	0.19	0.14	0.39	0.11
Wood and cork products (331)	5.04	3.96	1.94	1.11	2.15	1.97	1.64	1.40	2.38	1.26	2.68	2.99
Furniture, fixtures excl. metal (332)	0.92	0.76	0.55	0.37	1.45	1.34	2.40	2.20	1.00	0.53	2.04	2.19
Paper (341)	1.08	0.85	2.18	2.38	2.57	2.88	2.38	2.66	2.90	3.00	3.86	4.09
Printing and publishing (342)	2.07	2.09	1.80	1.84	3.04	3.10	3.56	3.78	4.53	4.15	5.75	7.01
Industrial chemicals (351)	2.02	1.63	5.15	6.61	4.25	5.14	5.01	5.02	2.96	2.78	4.26	4.60
Other chemicals (352)	4.22	3.17	4.44	4.89	5.01	5.29	3.49	4.27	3.32	3.82	3.89	4.63
Petroleum refineries (353)	15.34	7.80	3.75	2.55	2.77	2.65	2.47	1.76	1.42	1.03	2.52	1.99
Prods. of petroleum and coal (354)	1.10	0.59	0.93	0.76	0.56	0.69	0.32	0.23	0.23	0.13	0.29	0.24
Rubber products (355)	2.56	2.74	1.79	1.45	1.97	1.74	1.44	1.27	1.10	0.96	0.88	1.05
Plastic products (356)	1.43	1.58	2.28	2.17	2.38	2.78	2.16	2.97	2.51	2.39	1.59	2.20
Pottery, china, earthenware (361)	0.33	0.35	0.53	0.44	0.67	0.55	0.85	0.71	0.40	0.30	0.17	0.13
Glass (362)	0.67	0.63	0.79	0.93	1.07	1.05	1.11	1.23	0.71	0.53	0.88	0.67
Other non-metallic mineral prods (369)	3.72	3.70	4.36	3.87	4.44	3.48	3.03	2.51	3.11	2.31	2.22	1.77
Iron and steel (371)	1.92	1.44	5.86	6.12	5.79	5.86	6.52	4.32	10.33	7.19	5.24	3.42
Non-ferrous metals (372)	0.49	0.13	1.21	1.41	1.40	1.55	1.45	1.43	2.91	2.61	2.44	1.96
Metal products (381)	3.16	7.31	3.78	3.44	6.23	4.50	6.11	5.76	6.95	5.41	6.95	5.96
Non-electrical machinery (382)	2.70	2.85	4.26	6.05	6.27	5.95	12.09	11.94	12.18	13.01	13.44	15.49
Electrical machinery (383)	6.80	10.17	7.36	14.89	5.86	9.63	9.48	11.16	12.03	24.26	9.79	10.46
Transport equipment (384)	5.51	8.55	4.81	6.41	6.49	6.16	10.62	11.55	9.96	9.27	10.63	10.48
Prof. scient. equipment (385)	0.88	0.85	0.96	1.25	0.78	1.63	1.53	1.68	1.76	2.44	3.65	3.52
Other manufactures (390)	1.39	1.52	4.17	4.48	1.96	2.50	1.40	1.83	1.37	1.53	1.55	1.48
Total manufacturing (3)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 1.6

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

Branch (ISIC code)	ASEAN		Non-ASEAN Asian DCs		Non-ASEAN DEM		EC		Japan		USA	
	1975-85	1985-91	1975-85	1985-90	1975-85	1985-90	1975-85	1985-91	1975-85	1985-92	1975-85	1985-92
Food products (311/2)	12.26	9.46	6.48	3.76	3.19	1.33	2.33	2.84	1.68	1.19	3.04	2.15
Beverages (313)	11.01	14.49	6.84	6.14	3.02	3.30	1.82	2.84	0.31	0.71	3.71	1.99
Tobacco (314)	9.04	1.24	4.92	-0.39	2.77	0.84	-0.03	0.07	-0.20	-0.30	0.32	1.15
Textiles (321)	6.92	10.82	3.39	2.83	2.44	0.37	0.11	-0.19	0.63	-2.18	1.18	2.54
Wearing apparel (322)	9.89	13.13	4.59	2.46	3.65	1.96	-0.85	-1.97	0.83	-1.96	1.22	0.73
Leather and fur products (323)	8.44	13.27	7.30	2.87	2.38	-0.43	-0.45	-2.89	-0.52	-0.43	-1.90	-2.94
Footwear (324)	7.48	9.32	2.29	3.11	1.64	-0.76	-0.64	-3.91	0.79	0.13	-4.70	-7.98
Wood and cork products (331)	6.98	13.27	4.91	-1.74	3.42	1.34	-0.70	2.96	-2.23	-0.55	3.41	1.77
Furniture, fixtures excl. metal (332)	7.27	8.91	6.39	0.40	4.34	1.36	-0.06	4.22	a/	a/	4.94	1.49
Paper (341)	6.94	11.67	8.52	8.80	5.42	4.67	2.84	3.61	4.09	4.26	4.18	2.72
Printing and publishing (342)	9.73	9.59	7.30	8.11	0.60	5.04	1.90	4.07	2.73	3.62	4.96	3.55
Industrial chemicals (351)	11.33	6.69	10.65	9.51	7.96	3.34	2.91	1.02	7.00	4.59	4.92	4.16
Other chemicals (352)	8.33	7.38	7.79	9.60	4.71	4.43	2.91	4.20	-1.65	3.42	-0.11	1.61
Petroleum refineries (353)	4.54	5.55	4.61	3.69	3.54	3.87	-1.89	1.45	-1.65	3.42	-0.11	1.61
Prods. of petroleum and coal (354)	3.13	7.84	7.89	3.79	9.27	2.87	-1.80	-0.74	-0.10	-2.43	0.22	2.16
Rubber products (355)	6.34	16.74	7.07	4.35	4.00	2.16	0.84	1.14	4.77	1.96	2.84	3.65
Plastic products (356)	13.02	10.67	12.14	4.20	7.20	3.52	4.56	5.64	4.79	2.64	9.76	4.14
Pottery, china, earthenware (361)	8.78	14.35	6.85	4.69	2.88	2.12	0.22	1.96	0.87	1.70	3.48	-1.17
Glass (362)	9.35	13.31	9.88	8.23	1.19	6.35	3.24	3.62	2.92	1.70	1.86	0.74
Other non-metallic mineral prods (369)	10.86	11.89	6.86	5.43	2.87	3.19	-0.70	2.48	2.50	1.70	3.48	-1.17
Iron and steel (371)	9.29	11.73	8.58	8.14	3.98	4.52	0.02	-0.19	2.36	0.00	-2.14	0.51
Non-ferrous metals (372)	2.42	2.05	9.99	4.68	3.96	3.71	1.82	2.60	3.69	3.67	2.33	2.55
Metal products (381)	16.28	16.67	7.27	5.81	3.14	2.50	0.54	2.96	2.74	2.21	2.70	0.78
Non-electrical machinery (382)	8.92	13.13	9.92	11.68	1.98	6.34	1.07	2.60	8.35	1.89	4.09	4.07
Electrical machinery (383)	12.73	20.37	12.53	17.16	7.49	11.79	3.15	3.32	16.04	5.33	6.11	1.97
Transport equipment (384)	7.32	26.69	6.76	10.13	1.74	6.72	1.68	3.88	3.31	3.24	4.36	0.33
Prof. scient. equipment (385)	8.91	11.90	13.58	14.03	12.73	12.32	2.24	2.43	16.19	4.47	2.92	2.90
Other manufactures (390)	12.09	10.12	8.84	7.00	7.20	5.21	3.60	4.94	3.69	6.98	1.31	3.66

a/ ISIC 332 is included in ISIC 331

TABLE 1.7

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	1970	0.65	1970	0.37
	1980	1.19	1980	1.43
	1990	2.00	1991	4.11
Non-ASEAN Asian DCs	1970	2.73	1970	3.16
	1980	3.84	1980	3.94
	1990	5.86	1991	5.35
Non-ASEAN DEM	1970	5.66	1970	2.77
	1980	7.39	1980	4.21
	1990	7.19	1991	6.38
All developing countries	1970	10.97	1970	6.19
	1980	13.80	1980	8.93
	1990	15.06	1991	15.92
EC	1970	32.90	1970	50.28
	1980	28.62	1980	48.83
	1990	25.43	1991	31.02
Japan	1970	9.76	1970	10.11
	1980	10.81	1980	11.84
	1990	14.17	1991	12.75
USA	1970	22.26	1970	16.07
	1980	20.46	1980	15.47
	1990	21.23	1991	12.75
All developed countries	1970	89.03	1970	93.81
	1980	86.20	1980	91.07
	1990	84.94	1991	84.08



TABLE 1.8      SELECTED INDICATORS OF TRADE, SELECTED COUNTRIES AND COUNTRY GROUPS,  
 AT CURRENT PRICES, SELECTED YEARS

Country/country group	Year	Ratio of:			
		Exports to GDP	Imports to GDP	Manufactured exports to total exports	Manufactured imports to total imports
ASEAN	1970	0 210	0 221	0 110	0 623
	1980	0 365	0 349	0 223	0 667
	1990	0 450	0 508	0 578	0 740
Non-ASEAN Asian DCs	1970	0 116	0 107	0 314	0 666
	1980	0 276	0 191	0 174	0 649
	1990	0 179	0 192	0 691	0 710
Non-ASEAN DEM	1970	0 087	0 112	0 372	0 883
	1980	0 104	0 141	0 487	0 596
	1990	0 174	0 200	0 731	0 815
All developing countries	1970	0 115	0 116	0 193	0 679
	1980	0 214	0 179	0 174	0 614
	1990	0 188	0 193	0 513	0 608
EC	1970	0 168	0 184	0 765	0 540
	1980	0 220	0 246	0 736	0 534
	1990	0 224	0 233	0 798	0 715
Japan	1970	0 095	0 093	0 925	0 248
	1980	0 122	0 132	0 947	0 187
	1990	0 098	0 079	0 959	0 441
USA	1970	0 042	0 040	0 667	0 607
	1980	0 079	0 093	0 666	0 500
	1990	0 069	0 096	0 741	0 731
All developed countries	1970	0 087	0 090	0 709	0 574
	1980	0 149	0 164	0 694	0 523
	1990	0 147	0 156	0 771	0 707

TABLE 1.9 PER CAPITA TRADE IN GOODS AND SERVICES AND ITS GROWTH, SELECTED COUNTRIES AND COUNTRY GROUPS,  
AT CONSTANT 1980 PRICES, SELECTED YEARS AND PERIODS

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 (%)	
	1970	1980	1990	1975-1985	1985-1990	1970	1980	1990	1975-1985	1985-1990
ASEAN	125	279	500	4.85	11.75	145	301	570	4.47	12.57
Non-ASEAN Asian DCs	49	123	187	5.38	7.17	111	146	195	-0.48	8.11
Non-ASEAN DEM	212	450	671	2.96	10.88	185	383	735	8.16	7.21
All developing countries	134	255	284	1.84	4.60	222	273	324	-0.15	5.68
EC	1803	2777	4240	3.44	7.13	1623	2678	4070	4.36	4.90
Japan	911	1323	2454	1.90	11.82	554	1242	2283	8.21	4.60
USA	934	1265	2316	5.60	5.81	655	1200	1925	2.06	11.55
All developed countries	1471	1471	2277	3.38	6.53	866	1422	2159	4.23	5.32

TABLE 1.10 DISTRIBUTION OF MANUFACTURED EXPORTS (SITC 5 TO 8, LESS 68) AMONG SELECTED COUNTRIES AND COUNTRY GROUPS,  
AT CURRENT PRICES, SELECTED YEARS  
(Percentage)

ORIGIN OF EXPORTS	Year	DESTINATION OF EXPORTS							World
		ASEAN	Non-ASEAN Asian DCs	EC	Japan	USA	Other		
ASEAN	1975	27.56	14.53	16.98	6.22	21.43	13.28	100.00	
	1985	20.21	14.35	14.41	6.60	33.17	11.26	100.00	
	1990	18.90	12.62	19.20	8.88	27.23	13.17	100.00	
Non-ASEAN Asian DCs	1975	3.73	19.81	22.11	8.22	24.03	22.10	100.00	
	1985	3.70	14.52	17.64	6.60	33.80	23.74	100.00	
	1990	7.65	13.01	20.99	10.34	28.90	19.11	100.00	
EC	1975	1.24	7.62	48.12	0.96	6.18	35.88	100.00	
	1985	1.38	7.60	50.80	1.31	11.09	27.82	100.00	
	1990	1.61	5.11	59.27	2.25	7.64	24.12	100.00	
Japan	1975	10.58	18.16	11.43		20.28	39.55	100.00	
	1985	6.22	15.89	12.11		37.93	27.85	100.00	
	1990	11.35	14.82	19.06		32.09	22.68	100.00	
USA	1975	3.79	10.23	20.63	4.45		60.90	100.00	
	1985	4.34	8.94	22.95	7.56		56.21	100.00	
	1990	5.50	7.90	25.70	9.62		51.28	100.00	
Other	1975	1.49	6.25	26.40	1.53	16.37	47.96	100.00	
	1985	1.34	8.15	25.27	2.30	32.31	30.63	100.00	
	1990	2.31	10.50	33.44	3.23	25.10	25.42	100.00	

PART TWO. COUNTRY INDICATORS

TABLE 2.1

DISTRIBUTION OF GDP BY SECTOR OF ORIGIN, ASEAN COUNTRIES,  
AT CONSTANT 1980 PRICES, 1970, 1980 AND 1990  
(Percentage)

Country	Year	Agriculture	Industry			Construction
			Total	Manufacturing	Services	
Indonesia	1970	34.38	32.50	6.94	30.79	2.34
	1980	23.97	36.44	12.99	34.31	5.28
	1990	18.79	37.07	22.45	38.92	6.22
Malaysia	1970	26.74	32.93	15.54	36.79	3.54
	1980	21.91	33.33	20.64	40.26	4.60
	1990	17.04	39.27	26.92	40.38	3.31
Philippines	1970	26.87	27.49	23.93	42.03	3.60
	1980	23.34	28.49	24.39	40.12	5.05
	1990	24.20	28.26	24.39	42.74	4.80
Singapore	1970	2.48	27.01	24.53	62.14	8.37
	1980	1.19	30.48	28.04	62.25	6.07
	1990	0.29	27.93	25.55	67.55	4.22
Thailand	1970	29.85	19.44	15.37	44.51	6.09
	1980	23.21	25.57	21.25	45.94	5.28
	1990	15.35	29.58	24.49	47.75	6.21

TABLE 2.2 ANNUAL GROWTH OF GDP, TOTAL AND BY SECTOR OF ACTIVITY, ASEAN AND SELECTED ASIAN DEVELOPING COUNTRIES, AT CONSTANT 1980 PRICES,  
1975-1985 AND 1985-1990  
(Percentage)

Country	Sector of activity									
	GDP		Agriculture		Industry		Construction		Services	
	1975-1985	1985-1990	1975-1985	1985-1990	1975-1985	1985-1990	1975-1985	1985-1990	1975-1985	1985-1990
ASEAN countries										
Indonesia	6.49	6.42	4.15	3.17	6.43	7.04	8.45	8.30	8.00	7.34
Malaysia	7.09	7.25	3.82	4.56	8.11	10.90	9.35	0.76	7.91	6.94
Philippines	2.81	4.05	3.66	2.04	2.49	4.60	0.73	3.42	2.79	4.99
Singapore	7.81	8.86	-0.10	-9.90	6.45	12.02	9.35	-6.27	8.30	9.32
Thailand	6.65	9.77	4.47	2.92	7.56	13.76	8.11	14.71	7.27	9.83
Selected Asian developing countries										
Hong Kong	6.89	7.06	1.50	6.03	7.71	6.97	7.30	9.03	6.67	6.94
India	4.05	5.90	1.86	3.98	5.96	7.56	4.05	4.08	6.31	6.72
Republic of Korea	8.24	10.27	1.76	-	12.15	12.28	11.37	12.94	7.80	10.58
Sri Lanka	5.21	3.36	3.93	0.55	3.35	6.89	5.94	3.25	6.98	3.11
Taiwan Province	8.87	8.79	2.19	0.78	10.89	7.10	5.70	9.38	8.85	10.91

TABLE 2.3 GDP PER CAPITA, MVA PER CAPITA AND THEIR GROWTH, ASEAN AND SELECTED ASIAN DEVELOPING COUNTRIES,  
AT CONSTANT 1980 PRICES, SELECTED YEARS AND PERIODS

Country	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	
	1970	1980	1990	1975-1985	1985-1990	1970	1980	1990	1975-1985	1985-1990
ASEAN countries										
Indonesia	305	517	732	4.05	4.24	21	57	168	12.00	8.52
Malaysia	913	1779	2430	4.21	3.94	146	367	668	5.78	10.62
Philippines	515	729	569	0.14	1.49	122	178	163	-0.40	2.35
Singapore	2384	4853	8506	6.03	6.38	584	1414	2445	4.98	11.14
Thailand	458	688	1216	4.45	8.20	73	146	294	4.84	12.12
Selected Asian developing countries										
Hong Kong	2845	5462	7739	6.56	3.17	798	1217	1704	5.29	5.46
India	232	251	354	1.99	3.99	33	40	65	3.59	5.25
Republic of Korea	902	1643	3545	6.39	9.06	138	488	1323	10.74	11.29
Sri Lanka	216	279	363	3.53	1.99	39	51	69	1.13	3.47
Taiwan Province	1114	2324	4277	6.73	7.54	304	837	1500	9.25	5.85

TABLE 2.4 SHARE OF INDUSTRY GROUPS IN TOTAL MVA, ASEAN AND SELECTED ASIAN DEVELOPING COUNTRIES, AT CONSTANT 1980 PRICES, 1980 AND THE LATEST YEAR  
(Percentage)

Country	Latest year	Industries grouped according to end-use						Industries grouped according to factor intensity							
		Consumer non-durables		Industrial intermediates		Capital goods, including consumer durables		Labour-intensive industries		Capital-intensive industries		Resource-based industries		Technology-intensive industries	
		1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year	1980	Latest year
<u>ASEAN countries</u>															
Indonesia	1991	36.75	43.36	57.75	44.19	10.50	12.45	16.23	20.89	60.30	66.66	19.16	17.73	5.30	4.82
Malaysia	1991	45.15	28.03	26.32	24.46	28.63	47.51	17.35	10.62	42.36	39.01	21.45	13.08	18.84	37.30
Philippines	1991	62.78	58.33	22.63	12.90	14.59	28.77	18.09	16.76	31.73	38.63	39.38	35.11	10.79	10.60
Singapore	1991	20.06	14.00	23.90	24.66	56.04	61.34	9.07	4.52	48.29	47.48	4.74	3.41	37.89	44.98
Thailand	1990	53.54	47.64	30.24	29.74	16.22	22.62	25.44	23.63	49.44	64.73	20.93	16.03	4.18	6.61
<u>Selected Asian developing countries</u>															
Hong Kong	1991	59.94	58.24	11.98	13.14	28.09	28.62	43.26	34.46	31.20	31.29	4.43	8.38	21.12	26.89
India	1991	52.72	41.77	20.13	23.22	27.14	35.01	32.31	21.18	37.82	39.66	13.06	11.04	16.82	28.72
Republic of Korea	1991	38.55	21.67	30.96	24.49	30.48	53.84	22.39	10.71	41.60	38.10	11.30	8.60	24.70	47.70
Sri Lanka	1990	62.06	68.24	32.16	27.25	5.79	4.51	14.36	33.89	44.84	36.08	35.33	25.46	5.46	4.57
Taiwan Province	1990	41.17	31.83	28.49	28.09	30.34	40.08	20.38	13.44	45.20	45.60	14.96	11.90	19.47	29.06



TABLE 2.5

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

(Percentage)

Branch (ISIC code)	Indonesia		Malaysia		Philippines		Singapore		Thailand	
	1980	1991	1980	1991	1980	1991	1980	1991	1980	1990
Food products (311-2)	15.61	11.34	16.38	10.82	34.79	32.65	2.85	1.74	15.04	12.90
Beverages (313)	1.37	1.04	3.21	1.37	3.40	4.73	0.82	0.54	5.00	5.38
Tobacco (314)	14.85	12.24	2.85	1.10	3.00	1.49	0.47	0.89	3.66	1.95
Textiles (321)	11.06	10.95	4.30	2.63	7.00	4.55	1.80	0.40	9.59	7.25
wearing apparel (322)	0.77	1.53	2.11	1.71	5.27	7.13	3.48	2.75	11.51	12.17
Leather and fur products (323)	0.26	0.84	0.07	0.05	0.20	0.11	0.19	0.04	0.05	0.05
Footwear (324)	0.78	0.90	0.33	0.06	0.32	0.44	0.28	0.12	0.33	0.35
wood and cork products (331)	10.17	13.22	9.18	5.35	4.30	2.49	2.14	0.29	2.38	2.15
Furniture, fixtures excl. metal (332)	1.84	1.49	1.06	0.62	0.60	0.66	1.15	0.92	0.91	0.85
Paper (341)	1.14	1.20	0.99	0.61	1.30	0.94	1.15	0.55	1.32	0.97
Printing and publishing (342)	1.35	2.51	4.36	3.82	1.10	1.32	3.40	4.33	2.39	2.04
Industrial chemicals (351)	3.30	2.69	1.75	1.25	3.70	1.84	1.17	3.24	0.20	0.19
Other chemicals (352)	5.66	4.31	3.11	3.17	4.00	1.99	3.25	5.77	7.24	6.43
Petroleum refineries (353)			5.68	4.75	6.70	1.81	12.87	12.06	11.80	8.74
Prods. of petroleum and coal (354)			0.06	0.05	0.04	0.03	a/	a/	a/	a/
Rubber products (355)	3.69	3.77	6.70	8.59	1.20	1.27	1.17	0.44	1.97	1.74
Plastic products (356)	0.65	1.87	1.89	1.74	2.40	1.91	2.21	1.51	0.51	0.52
Pottery, china, earthenware (361)	0.24	0.25	0.30	0.21	0.40	0.38	0.03	0.01	0.68	0.80
Glass (362)	0.81	0.74	0.70	0.53	0.70	0.66	0.22	0.04	1.12	1.07
Other non-metallic mineral prods (369)	6.62	7.23	5.13	3.55	2.20	2.08	1.83	0.94	5.41	9.25
Iron and steel (371)	2.38	4.59	2.07	1.87	2.70	0.66	1.84	1.56	1.28	1.22
Non-ferrous metals (372)			1.23	0.55	0.30	0.02	0.25	0.13	0.91	0.21
Metal products (381)	4.01	3.83	4.09	3.63	3.40	12.03	4.80	4.10	2.00	2.32
Non-electrical machinery (382)	1.28	1.41	3.48	5.13	2.40	2.38	9.54	9.75	1.17	0.91
Electrical machinery (383)	4.08	2.48	13.01	30.59	3.10	4.98	24.95	30.43	2.35	4.05
Transport equipment (384)	5.57	5.08	4.65	5.55	2.70	8.69	14.55	15.37	8.51	13.91
Prof. scient. equipment (385)	0.08	0.15	0.59	0.23	1.60	1.41	2.14	1.15	0.47	0.45
Other manufactures (390)	2.46	4.36	0.71	0.28	1.20	1.36	1.33	0.72	2.21	2.08
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 354 is included in ISIC 353

Figure 1

Shares of Major Industry Groups in Total MVA,  
at constant 1980 prices, 1980 and 1991  
(percentage)

Percentage

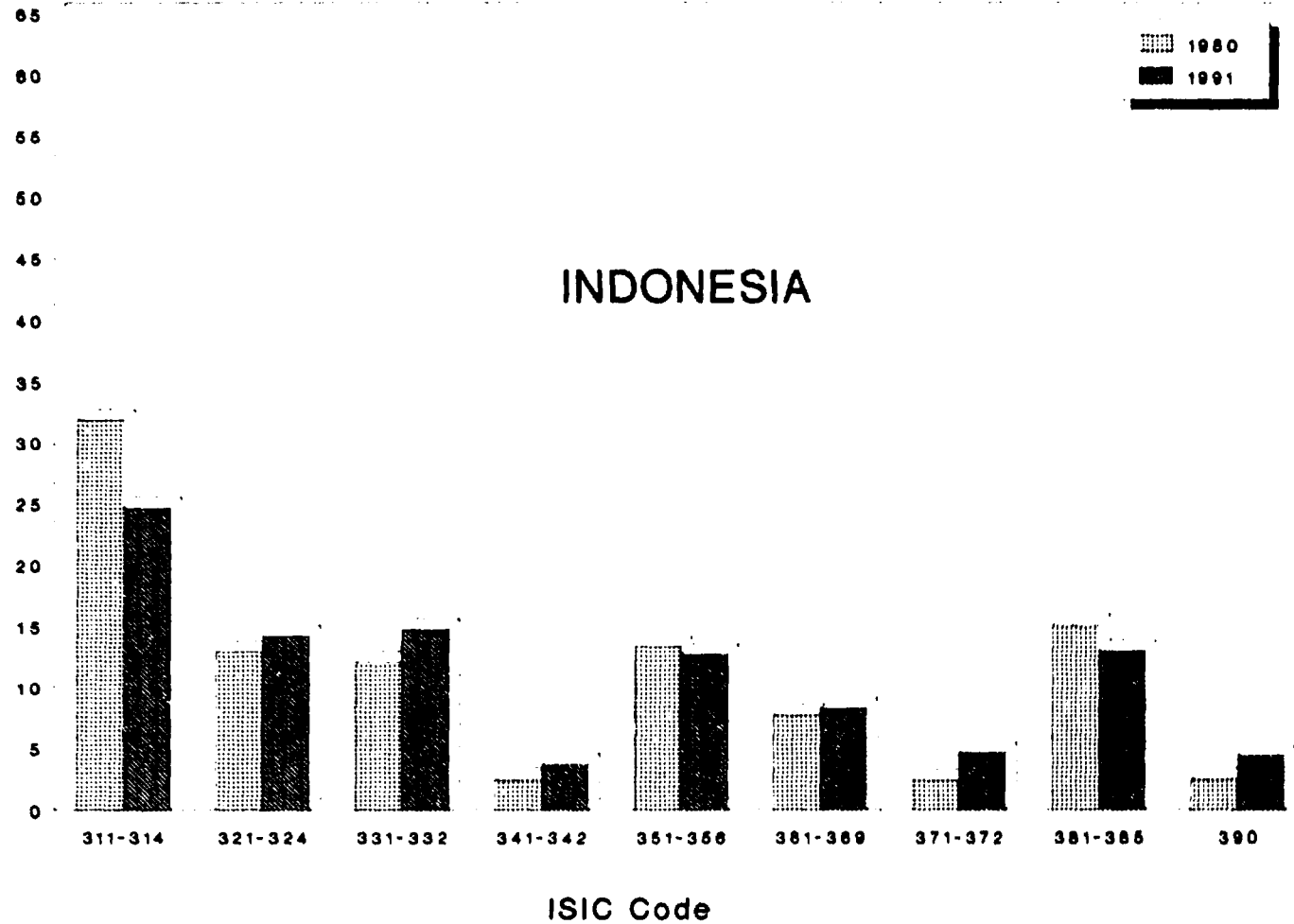
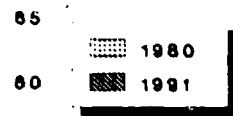


Figure 1  
(cont'd)

Shares of Major Industry Groups in Total MVA,  
at constant 1980 prices, 1980 and 1991  
(percentage)

Percentage



65  
60  
55  
50  
45  
40  
35  
30  
25  
20  
15  
10  
5  
0

MALAYSIA

311-314    321-324    331-332    341-342    351-356    361-369    371-372    381-385    390

ISIC Code

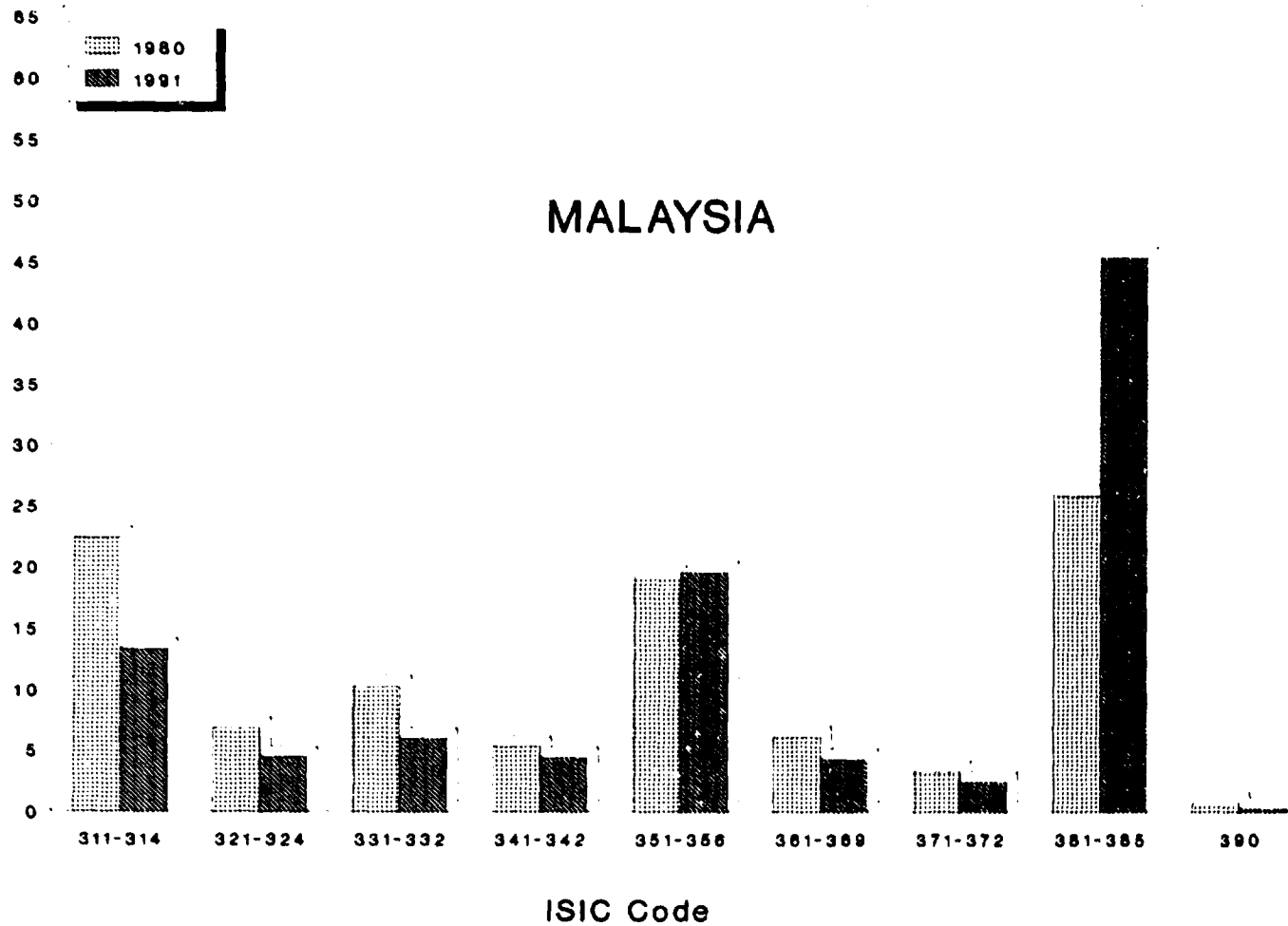


Figure 1  
(cont'd)

Shares of Major Industry Groups in Total MVA,  
at constant 1980 prices, 1980 and 1991  
(percentage)

Percentage

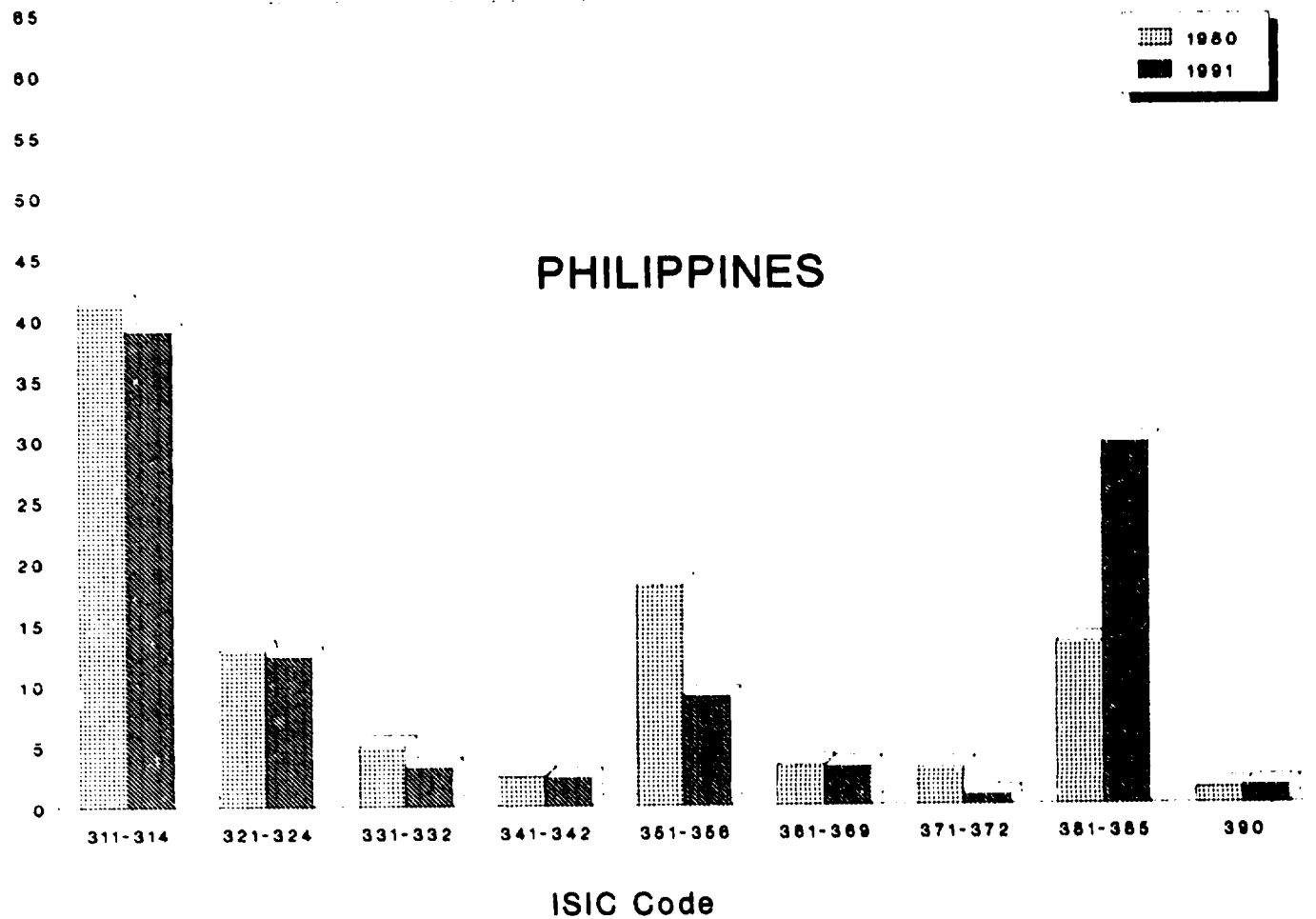


Figure 1  
(cont'd)

Shares of Major Industry Groups in Total MVA,  
at constant 1980 prices, 1980 and 1991  
(percentage)

Percentage

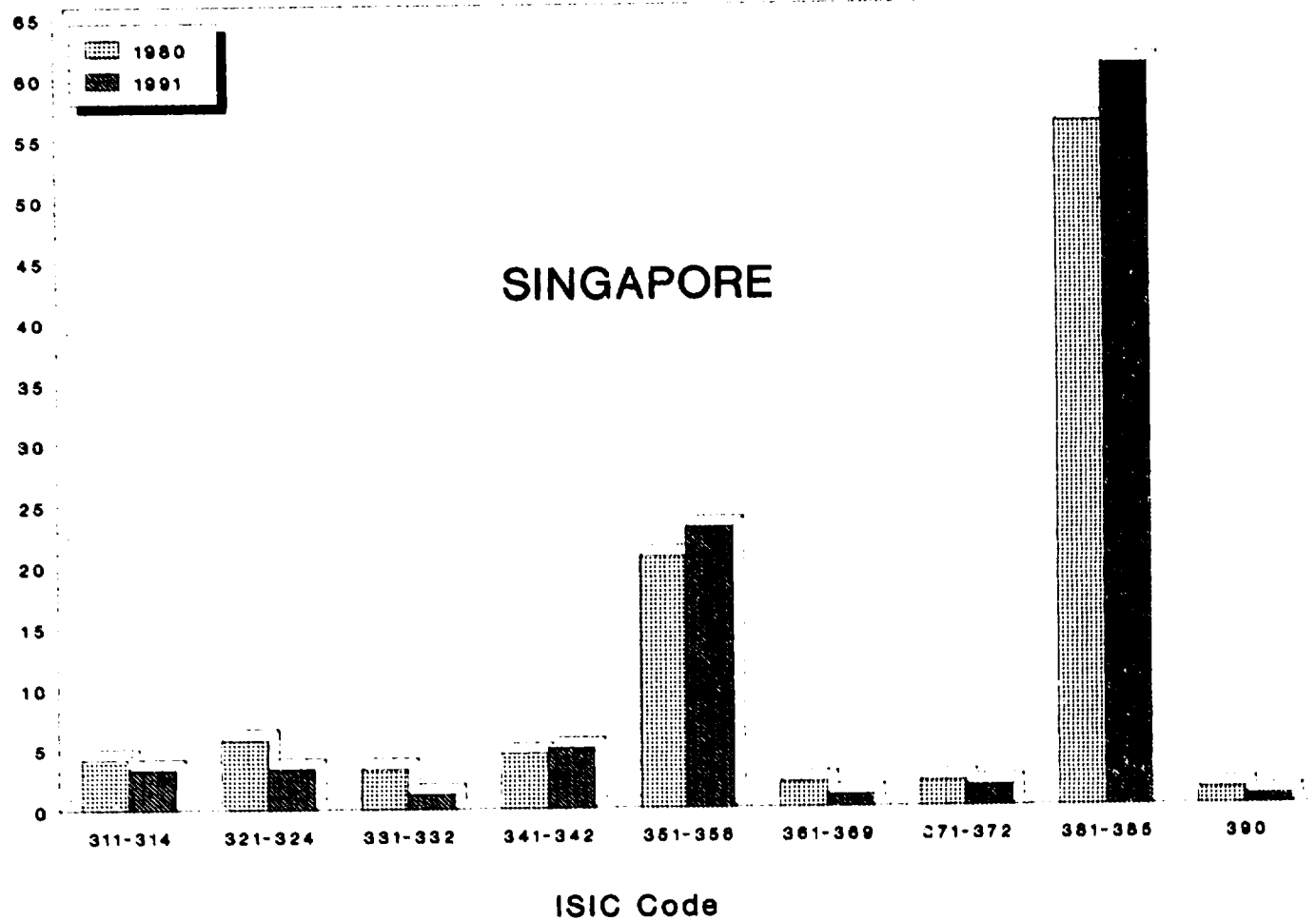


Figure 1  
(cont'd)

Shares of Major Industry Groups in Total MVA,  
at constant 1980 prices, 1980 and 1991  
(percentage)

Percentage

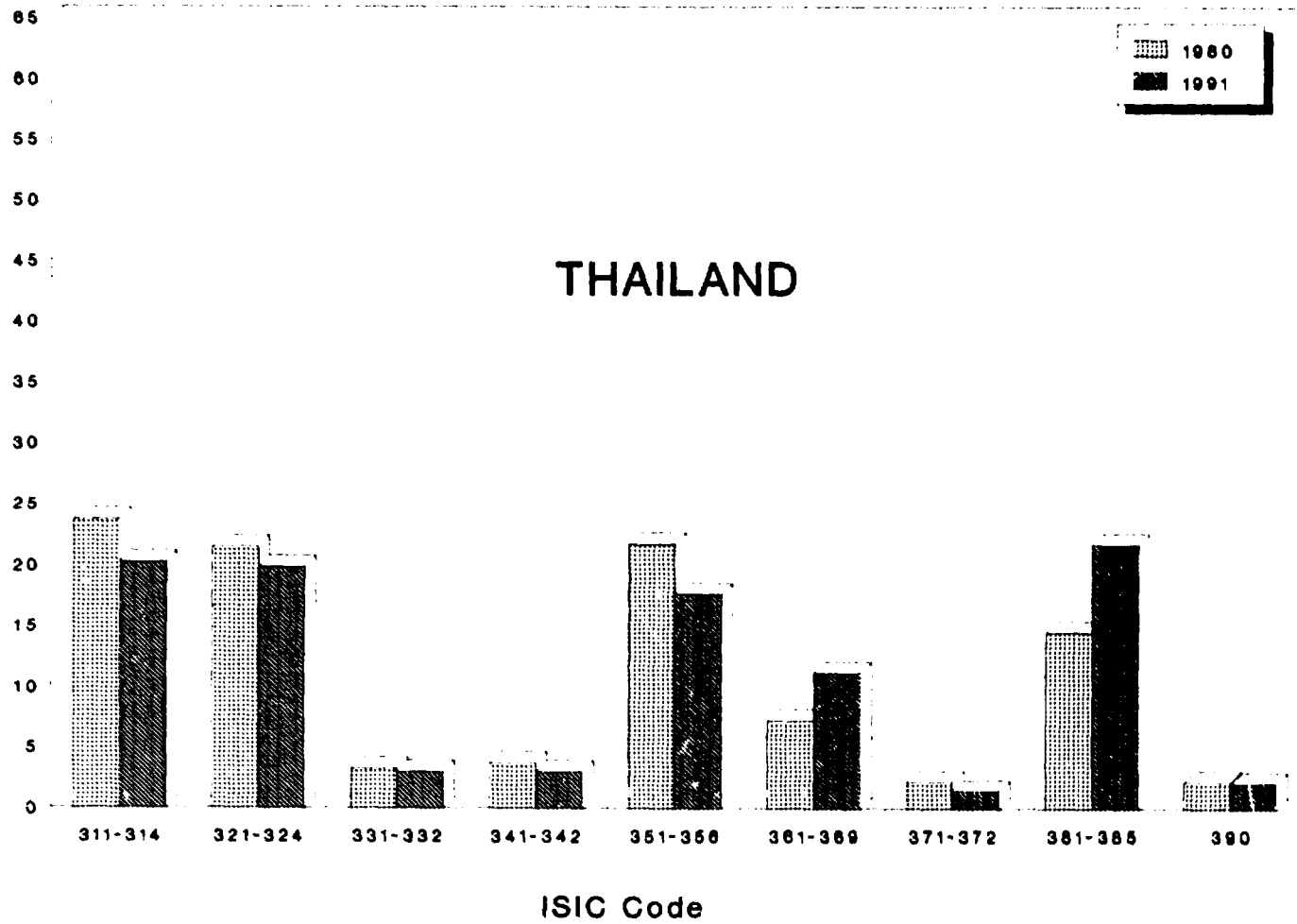


TABLE 2.6 ANNUAL GROWTH OF VALUE ADDED IN MANUFACTURING BRANCHES, ASEAN COUNTRIES, AT CONSTANT 1980 PRICES, SELECTED PERIODS  
(Percentage)

Branch (ISIC code)	Indonesia		Malaysia		Philippines		Singapore		Thailand	
	1975-85	1985-91	1975-85	1985-91	1975-85	1985-91	1975-85	1985-81	1975-85	1985-90
Food products (311-2)	7.42	11.71	5.96	5.98	17.24		2.41	4.07	2.07	9.37
Beverages (313)	1.66	11.63	5.15	6.92	20.20		3.54	6.86	4.56	16.22
Tobacco (314)	8.09	4.61	2.92	0.15	17.68		1.18	18.98	1.36	2.02
Textiles (321)	1.57	15.73	4.90	11.10	11.48		-9.68	4.47	9.02	4.25
Wearing apparel (322)	9.39	14.30	8.43	10.18	20.20		2.46	5.42	5.62	5.77
Leather and fur products (323)	12.48	16.83	5.16	8.52	8.39		-7.58	-4.89	17.41	4.96
Footwear (324)	5.62	12.66	-3.40	-5.37	20.20		-11.94	9.20	17.68	9.34
Wood and cork products (331)	14.31	20.69	1.85	10.84	11.06		-10.40	-8.16	6.66	4.89
Furniture, fixtures excl. metal (332)	10.63	4.63	a/	a/	10.56		11.16	2.58	2.41	4.90
Paper (341)	6.23	12.87	3.61	17.35	12.36		-0.35	10.15	3.35	3.69
Printing and publishing (342)	13.83	16.10	8.92	6.11	12.52		9.20	8.97	6.86	4.94
Industrial chemicals (351)	16.06	2.66	6.00	10.40	10.01		17.85	8.00	7.26	8.62
Other chemicals (352)	7.56	0.67	7.09	16.27	b/		9.44	14.01	7.60	6.29
Petroleum refineries (353)			5.29	9.30	-3.10		6.51	5.85	2.92	7.86
Prods. of petroleum and coal (354)			9.17	7.67	18.49		c/	c/	c/	c/
Rubber products (355)	11.99	12.09	4.27	19.77	11.27		-0.79	-1.42	3.38	11.94
Plastic products (356)	7.62	25.45	13.49	14.31	16.21		2.38	5.86	14.86	8.68
Pottery, china, earthenware (361)	18.42	15.73	7.08	9.29	12.99		-6.15	-1.48	5.07	11.46
Glass (362)	9.60	10.21	d/	10.91	d/		e/	e/	7.78	9.21
Other non-metallic mineral prods (369)	21.35	5.44	d/	9.29	d/		-1.53	3.98	7.18	17.96
Iron and steel (371)	27.33	26.27	7.60	1.81	7.67		6.85	2.68	7.40	14.27
Non-ferrous metals (372)			2.96	6.51	2.87		3.95	1.53	0.80	-2.85
Metal products (381)	7.98	10.29	10.26	8.48	26.49		2.34	7.66	7.62	18.02
Non-electrical machinery (382)	3.02	25.56	10.26	18.06	13.67		6.68	9.30	-0.78	6.98
Electrical machinery (383)	10.43	8.22	10.28	27.30	19.33		14.16	12.07	6.69	13.87
Transport equipment (384)	0.70	15.84	9.69	19.02	12.47		4.31	12.35	10.65	26.60
Prof. scient. equipment (385)	13.95	11.81	5.59	3.23	13.17		-1.85	7.27	8.18	6.77
Other manufactures (390)	f/	f/	f/	f/	18.71		f/	f/	8.37	6.66

a/ ISIC 332 is included in ISIC 331  
b/ ISIC 352 is included in ISIC 351  
c/ ISIC 354 is included in ISIC 353  
d/ ISIC 369 and 362 are included in ISIC 361  
e/ ISIC 362 is included in ISIC 361  
f/ ISIC 390 is included in ISIC 385

TABLE 2.7

SHARES OF SELECTED COUNTRIES IN THE MVA OF SOUTH AND  
EAST ASIAN DEVELOPING COUNTRIES, SELECTED YEARS  
(Percentage)

Country	1970	1975	1980	1985	1990
<u>ASEAN countries</u>					
Indonesia	4.90	6.32	8.60	11.15	12.17
Malaysia	3.11	3.77	4.29	3.90	4.85
Philippines	9.01	8.35	7.29	4.78	4.01
Singapore	2.38	2.61	2.90	2.21	2.62
Thailand	5.14	5.56	5.80	5.13	6.46
<u>Selected Asian developing countries</u>					
Hong Kong	6.18	4.46	5.21	4.27	3.94
India	36.49	28.42	23.36	23.07	21.75
Republic of Korea	8.67	12.82	15.79	18.92	22.32
Sri Lanka	0.95	0.92	0.64	0.56	0.47
Taiwan Province	8.76	9.78	12.65	13.00	12.01
Total share of all above countries	85.59	83.01	86.53	86.99	90.60



TABLE 2 8

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

(Index)

Branch (ISIC code)	Indonesia		Malaysia		Philippines		Singapore		Thailand	
	1980	1990	1980	1990	1980	1990	1980	1990	1980	1990
Food products (311-2)	1.45	1.01	1.53	1.21	3.24	3.06	0.27	0.17	1.40	1.20
Beverages (313)	0.58	0.42	1.35	0.74	1.43	2.14	0.34	0.32	2.10	2.54
Tobacco (314)	17.07	22.58	3.28	1.69	3.45	2.08	0.54	1.15	4.21	2.54
Textiles (321)	1.96	2.34	0.76	0.63	1.24	1.02	0.32	0.09	1.70	1.59
Wearing apparel (322)	0.25	0.60	0.69	0.79	1.73	2.71	1.14	1.20	3.79	4.89
Leather and fur products (323)	0.51	2.21	0.14	0.13	0.39	0.26	0.37	0.13	0.12	0.13
Footwear (324)	0.95	1.45	0.40	0.12	0.39	0.72	0.34	0.21	0.40	0.60
Wood and cork products (331)	4.56	6.23	4.12	2.86	1.93	1.22	0.96	0.18	1.06	1.05
Furniture, fixtures excl. metal (332)	1.02	0.90	0.59	0.41	0.33	0.42	0.64	0.56	0.51	0.52
Paper (341)	0.41	0.43	0.36	0.24	0.47	0.33	0.41	0.23	0.47	0.33
Printing and publishing (342)	0.38	0.58	1.23	1.11	0.31	0.33	0.96	1.12	0.68	0.53
Industrial chemicals (351)	0.73	0.58	0.39	0.24	0.81	0.41	0.26	0.74	0.04	0.04
Other chemicals (352)	1.65	1.23	0.91	0.88	1.17	0.55	0.95	1.26	2.12	1.71
Petroleum refineries (353)			2.26	2.29	2.67	0.90	5.13	5.58	4.70	3.88
Prods. of petroleum and coal (354)			0.09	0.08	0.06	0.06	a/	a/	a/	a/
Rubber products (355)	2.77	2.43	5.04	7.31	0.90	0.99	0.88	0.34	1.48	1.43
Plastic products (356)	0.38	0.90	1.11	0.88	1.40	0.91	1.29	0.72	0.30	0.26
Pottery, china, earthenware (361)	0.46	0.48	0.58	0.43	0.77	0.72	0.06	0.02	1.31	1.74
Glass (362)	0.94	0.65	0.81	0.65	0.81	0.69	0.26	0.05	1.30	1.29
Other non-metallic mineral prods. (369)	2.12	2.60	1.54	1.26	0.70	0.66	0.58	0.32	1.73	3.40
Iron and steel (371)	0.42	0.66	0.37	0.42	0.48	0.16	0.33	0.40	0.23	0.27
Non-ferrous metals (372)			0.59	0.36	0.14	0.01	0.13	0.07	0.44	0.11
Metal products (381)	0.70	0.89	0.72	0.67	0.60	2.43	0.84	0.82	0.35	0.44
Non-electrical machinery (382)	0.10	0.08	0.27	0.26	0.19	0.16	0.75	0.67	0.09	0.06
Electrical machinery (383)	0.50	0.35	1.61	2.60	0.38	0.46	3.08	2.82	0.29	0.38
Transport equipment (384)	0.64	0.36	0.53	0.63	0.31	0.99	1.67	1.78	0.98	1.57
Prof. scient. equipment (385)	0.04	0.06	0.28	0.12	0.76	0.65	1.01	0.67	0.22	0.21
Other manufactures (390)	1.41	2.07	0.41	0.13	0.69	0.62	0.76	0.40	1.27	1.03

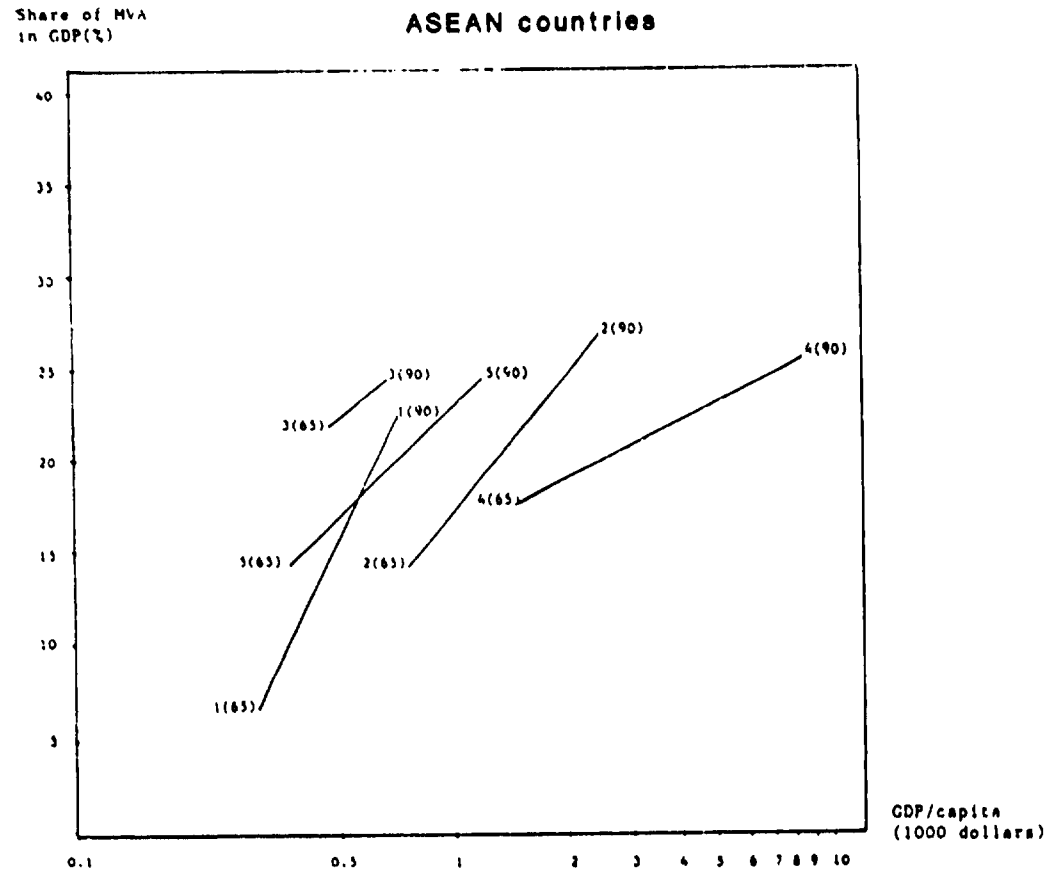
a. ISIC 354 is included in ISIC 353

TABLE 2.9 SHARE OF MANUFACTURING IN GDP AND GDP PER CAPITA, ASEAN AND SELECTED ASIAN DEVELOPING COUNTRIES, AT CONSTANT 1980 PRICES, SELECTED YEARS

	Share of manufacturing in GDP (Percentage)						GDP per capita (in constant 1980 dollars)					
	1965	1970	1975	1980	1985	1990	1965	1970	1975	1980	1985	1990
<b>ASEAN countries</b>												
Indonesia	6.53	6.94	9.04	12.99	18.47	22.45	254	306	400	517	596	732
Malaysia	14.04	15.54	17.83	20.64	20.17	26.92	763	913	1326	1779	2003	2430
Philippines	21.90	23.93	24.77	24.39	23.35	24.39	475	515	612	729	821	859
Singapore	17.74	24.53	25.05	28.04	21.72	25.66	1478	2384	3443	4853	6182	8506
Thailand	14.25	15.37	19.38	21.25	20.38	24.49	353	458	531	688	820	1216
<b>Selected Asian developing countries</b>												
Hong Kong	20.54	26.67	20.69	24.09	22.09	22.06	2155	2845	3508	5452	6621	7739
India	16.96	16.14	16.38	17.71	19.97	18.36	208	232	230	251	293	354
Republic of Korea	10.46	15.56	22.68	29.51	32.94	37.32	568	902	1237	1843	2298	3545
Sri Lanka	17.35	18.67	23.21	18.99	18.50	19.01	217	216	233	279	329	363
Taiwan Province	18.82	27.56	30.53	36.19	37.68	35.07	786	1114	1550	2324	2974	4277

Figure 2

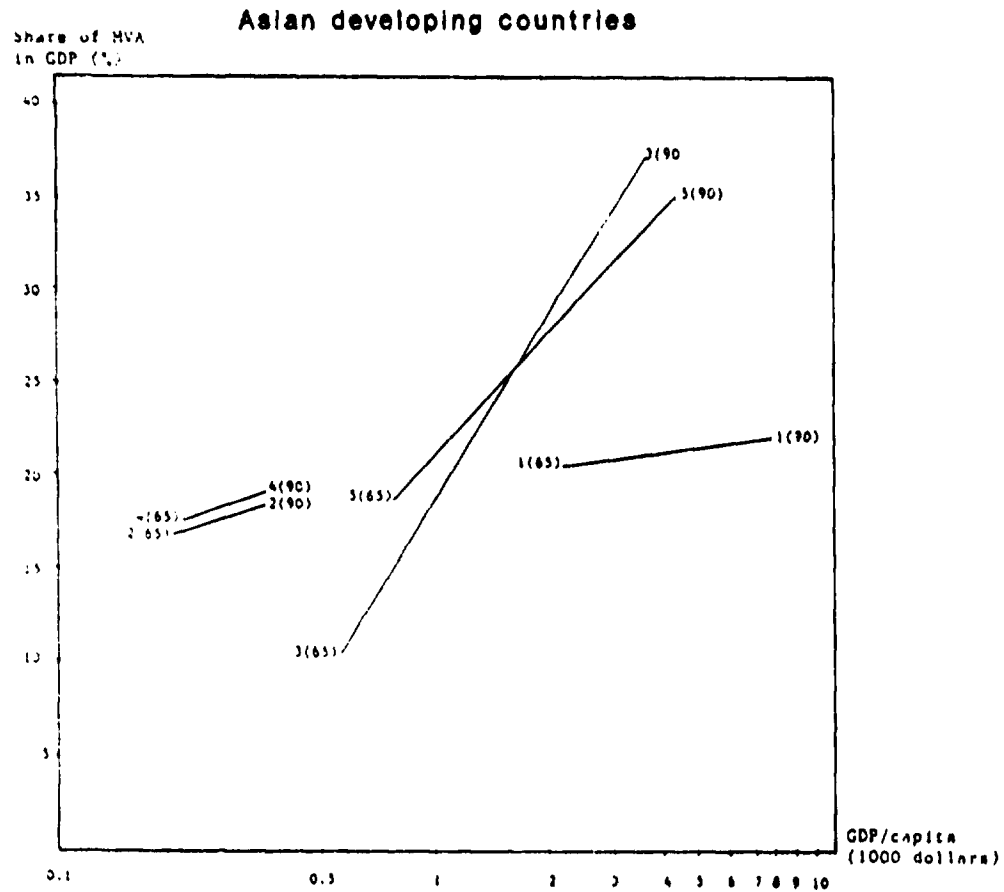
Patterns of structural transformation and income levels  
ASEAN and selected Asian developing countries,  
1985, 1990, at constant 1980 prices



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

Figure 2  
(cont'd)

Patterns of structural transformation and income levels  
ASEAN and selected Asian developing countries,  
1986, 1990, at constant 1980 prices



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

TABLE 2.10

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

(Percentage)

Branch (ISIC code)	INDONESIA				MALAYSIA			
	Share		Employment		Share		Employment	
	1980	1989	Average annual growth rate 1975-1985	Average annual growth rate 1985-1989	1980	1990	Average annual growth rate 1975-1986	Average annual growth rate 1985-1990
Food products (311/2)	15.94	15.96	7.65	4.55	12.45	11.24	4.53	5.80
Beverages (313)	0.75	0.55	6.02	2.14	1.26	0.76	3.24	-0.62
Tobacco (314)	16.48	9.49	4.42	1.13	1.73	0.46	-2.47	-6.04
Textiles (321)	23.87	17.60	4.81	7.51	7.71	4.83	-1.14	5.10
wearing apparel (322)	1.61	5.73	32.93	16.91	4.42	7.33	10.69	11.28
Leather and fur products (323)	0.32	0.30	4.02	12.14	0.17	0.11	2.54	5.22
Footwear (324)	0.78	1.12	4.26	29.96	0.56	0.16	-5.60	4.68
Wood and cork products (331)	6.12	14.09	17.57	17.07	14.21	10.48	1.32	6.92
Furniture, fixtures excl. metal (332)	0.59	1.17	9.87	21.04	1.96	2.25	5.70	12.59
Paper (341)	1.24	1.51	10.25	12.14	1.23	1.55	7.01	9.87
Printing and publishing (342)	2.07	1.72	6.93	2.69	4.55	3.51	3.09	4.18
Industrial chemicals (351)	1.44	1.48	12.36	3.00	0.97	1.15	6.04	5.67
Other chemicals (352)	4.24	3.76	9.94	2.95	2.12	1.55	4.01	2.50
Petroleum refineries (353)					0.14	0.18	8.30	-1.53
Prods. of petroleum and coal (354)					0.04	0.18	20.82	3.45
Rubber products (355)	3.83	5.70		8.05	6.52	6.97	-0.28	12.52
Plastic products (356)	1.84	3.12	13.00	9.46	3.11	3.24	7.53	9.06
Pottery, china, earthenware (361)	0.71	0.79	19.92	9.53	0.40	1.05	14.04	26.96
Glass (362)	0.92	0.55	4.91	4.03	0.47	0.49	3.70	8.93
Other non-metallic mineral prods. (369)	3.19	3.46	10.26	4.64	4.11	3.74	6.47	3.99
Iron and steel (371)	0.91	0.94	1.68	7.97	1.83	1.58	4.59	1.57
Non-ferrous metals (372)					0.41	0.44	14.81	0.43
Metal products (381)	4.24	3.23	10.23	5.26	4.97	3.52	3.60	4.84
Non-electrical machinery (382)	1.24	0.87	4.72	4.26	3.44	2.34	3.12	4.98
Electrical machinery (383)	3.88	2.35	15.38	5.01	15.42	25.39	9.45	17.62
Transport equipment (384)	3.10	3.36	11.53	7.05	3.83	2.47	4.88	-1.41
Prof. scient. equipment (385)	0.12	0.16	18.17	13.36	0.89	1.17	19.86	7.82
Other manufactures (390)	0.59	0.98	10.12	16.85	1.08	1.88	10.41	10.71
Total manufacturing (3)	100.00	100.00	8.95	7.67	100.00	100.00	4.44	8.88

TABLE 2.10

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

(Percentage)

Branch (ISIC code)	PHILIPPINES				SINGAPORE			
	Employment		Employment		Employment		Employment	
	Share	Average annual growth rate	Share	Average annual growth rate	Share	Average annual growth rate	Share	Average annual growth rate
	1980	1989	1975-1985	1985-1989	1980	1991	1975-1985	1985-1991
Food products (311-2)	18.99	18.93	2.48	1.04	3.41	3.10	1.20	2.74
Beverages (313)	2.94	4.04	-	0.17	0.93	0.68	-1.50	1.21
Tobacco (314)	1.95	1.82	-3.11	-3.91	0.45	0.23	-5.28	1.42
Textiles (321)	13.65	10.87	-1.28	4.46	3.39	0.93	13.22	3.31
Wearing apparel (322)	11.70	16.68	10.31	7.79	9.42	7.23	3.37	0.93
Leather and fur products (323)	0.42	0.43	-	7.85	0.42	0.22	-2.64	4.08
Footwear (324)	0.85	0.95	9.53	-6.77	0.51	0.18	-7.98	-3.90
Wood and cork products (331)	7.79	6.18	0.54	-1.56	3.60	0.61	2.13	-9.68
Furniture, fixtures excl. metal (332)	3.57	4.16	6.34	10.14	2.12	1.80	10.46	-1.20
Paper (341)	1.93	1.62	-0.28	1.96	1.49	1.38	0.12	6.77
Printing and publishing (342)	2.23	2.33	1.53	3.29	4.16	4.70	4.66	4.36
Industrial chemicals (351)	1.42	1.27	1.21	0.05	0.75	1.34	8.11	7.38
Other chemicals (352)	3.36	3.62	1.66	1.39	1.50	1.47	2.71	2.29
Petroleum refineries (353)	0.13	0.39	7.68	5.55	1.17	1.04	0.47	1.09
Prods. of petroleum and coal (354)	0.04	0.06	14.87	2.35	-	-	-	-
Rubber products (355)	2.65	3.56	6.54	8.36	1.42	0.54	-9.08	2.32
Plastic products (356)	2.27	2.03	-3.22	7.30	3.21	4.33	5.62	10.73
Pottery, china, earthenware (361)	0.60	0.51	1.99	6.22	0.33	0.25	-6.56	17.17
Glass (362)	0.76	0.71	-1.61	-1.01	-	-	-	-
Other non-metallic mineral prods. (369)	1.94	1.88	-0.10	-0.30	1.29	1.20	4.80	-7.36
Iron and steel (371)	1.84	2.52	5.60	3.88	0.65	0.50	0.76	2.96
Non-ferrous metals (372)	0.53	0.49	9.76	0.82	0.16	0.23	4.45	3.25
Metal products (381)	3.92	2.57	-3.80	4.33	6.13	8.53	5.96	8.03
Non-electrical machinery (382)	2.89	1.66	-1.63	-3.81	7.05	6.73	3.76	3.57
Electrical machinery (383)	5.20	6.86	5.70	6.04	30.73	40.21	9.11	9.73
Transport equipment (384)	3.94	1.49	-4.66	-3.84	9.57	8.30	-3.30	5.40
Prof. scient. equipment (385)	0.17	0.59	11.61	1.09	3.87	2.39	-3.09	9.16
Other manufactures (390)	1.71	1.76	8.68	-5.61	2.47	1.89	1.38	5.18
Total manufacturing (3)	100.00	100.00	2.05	2.88	100.00	100.00	2.76	6.03

TABLE 2.11

SELECTED INDICATORS OF TRADE, ASEAN COUNTRIES, AT CURRENT PRICES,  
1970, 1980 AND 1990

Country/country group	Year	Exports to GDP	Imports to GDP	Ratio of	
				Manufactured exports to total exports	Manufactured imports to total imports
Indonesia	1970	0 111	0 101	0 012	0 725
	1980	0 281	0 139	0 023	0 649
	1990	0 238	0 204	0 365	0 769
Malaysia	1970	0 488	0 405	0 066	0 569
	1980	0 528	0 438	0 188	0 666
	1990	0 695	0 657	0 538	0 822
Philippines	1970	0 155	0 177	0 076	0 680
	1980	0 163	0 236	0 211	0 475
	1990	0 185	0 297	0 379	0 631
Singapore	1970	0 519	1 298	0 275	0 561
	1980	1 653	2 048	0 467	0 641
	1990	1 522	1 753	0 717	0 732
Thailand	1970	0 097	0 183	0 047	0 747
	1980	0 198	0 294	0 262	0 508
	1990	0 287	0 413	0 631	0 750

TABLE 2.12 PER CAPITA TRADE IN GOODS AND SERVICES AND ITS GROWTH, ASEAN AND SELECTED ASIAN DEVELOPING COUNTRIES,  
AT CONSTANT 1980 PRICES, SELECTED YEARS AND PERIODS

Country	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 (%)	
	1970	1980	1990	1975-1985	1985-1990	1970	1980	1990	1975-1985	1985-1990
<u>ASEAN countries</u>										
Indonesia	30	104	123	5.70	0.27	89	171	160	-1.55	6.95
Malaysia	371	979	1861	7.37	11.47	491	1024	2164	5.80	11.31
Philippines	126	189	283	-2.04	18.72	91	148	187	3.87	5.78
Singapore	4187	10372	22559	6.67	14.47	3503	9933	27874	9.25	16.13
Thailand	135	210	475	3.60	18.13	88	167	508	8.19	17.75
<u>Selected Asian developing countries</u>										
Hong Kong	2287	5049	14407	10.50	15.57	2498	4798	14802	10.18	15.72
India	22	25	33	6.21	2.95	10	17	25	2.43	7.33
Republic of Korea	203	681	1663	8.64	14.93	102	559	1410	11.57	10.80
Sri Lanka	154	149	158	3.19	0.80	93	87	134	2.27	4.59
Taiwan Province	408	1249	2804	6.65	15.26	332	1221	2868	10.88	10.19



TABLE 2 13

INTRA-ASIAN TRADE IN MANUFACTURED GOODS (SITC 5 TO 8, LESS 68)  
AT CURRENT PRICES, SELECTED YEARS  
(Percentage)

ORIGIN OF EXPORTS	1975											
	DESTINATION OF EXPORTS											
	Indonesia	Malaysia	Philippines	Singapore	Thailand	Hong Kong	India	Japan	Rep of Korea	Sri Lanka	Other Asia	All Asia
ASEAN countries												
Indonesia		14 04	0 25	54 44	1 30	9 94	0 12	19 10	0 17	0 09	0 55	100 00
Malaysia	7 00		2 28	55 45	3 00	6 70	0 14	16 60	0 20	0 38	8 25	100 00
Philippines	18 83	4 91		11 99	4 13	15 53	0 18	22 42	1 33	0 16	20 52	100 00
Singapore		48 61	2 75		5 35	9 22	1 24	8 37	0 52	0 79	23 15	100 00
Thailand	12 70	6 16	0 47	20 07		14 11	0 14	28 97	1 57	0 23	15 58	100 00
Selected Asian countries												
Hong Kong	4 97	6 00	3 78	21 51	3 50		0 14	25 48	1 43	0 14	32 05	100 00
India	3 47	4 13	1 58	5 42	1 98	4 24		9 23	3 77	3 14	53 04	100 00
Japan	9 90	3 04	5 32	8 22	5 09	6 74	2 57		11 39	0 27	47 45	100 00
Rep of Korea	2 86	0 81	0 60	3 64	1 07	8 92	0 43	59 14		0 12	22 41	100 00
Sri Lanka	8 57	0 82		3 20	0 30	0 62	0 70	53 15	0 01		32 63	100 00
Other Asian countries	2 27	1 38	0 27	6 18	0 47	18 92	1 61	14 36	0 59	0 15	53 80	100 00

TABLE 2.13

INTRA-ASIAN TRADE IN MANUFACTURED GOODS (SITC 5 TO 8, LESS 68)  
AT CURRENT PRICES, SELECTED YEARS

(Percentage)

ORIGIN OF EXPORTS	1985											
	DESTINATION OF EXPORTS											
	Indonesia	Malaysia	Philippines	Singapore	Thailand	Hong Kong	India	Japan	Rep of Korea	Sri Lanka	Other Asia	All Asia
<u>ASEAN countries</u>												
Indonesia		2 79	2 77	25 96	3 79	18 41	1 92	25 71	1 37	0 42	16 86	100 00
Malaysia	1 63		3 16	54 47	2 85	10 13	0 66	18 77	2 45	0 59	5 29	100 00
Philippines	4 01	7 90		10 59	4 28	17 08	0 06	40 55	1 35	0 21	13 97	100 00
Singapore		39 35	1 83		7 86	11 03	3 33	9 05	1 98	2 30	23 27	100 00
Thailand	1 08	6 70	0 59	27 85		13 06	0 58	16 98	1 32	0 95	30 89	100 00
<u>Selected Asian countries</u>												
Hong Kong	1 13	2 53	3 22	7 89	2 38		1 01	14 50	1 24	1 10	65 00	100 00
India	0 77	2 27	0 16	6 66	1 94	15 55		21 91	0 96	4 02	45 76	100 00
Japan	4 06	4 17	1 72	7 28	3 85	12 28	3 01		13 17	0 51	49 95	100 00
Rep of Korea	2 22	5 36	2 44	5 60	1 61	17 62	5 09	36 18		0 81	23 07	100 00
Sri Lanka	1 76	1 11	0 55	37 59	1 59	9 11	1 20	33 46	0 14		13 49	100 00
Other Asian countries	0 62	0 91	0 17	2 86	0 78	44 35	1 45	15 21	0 45	0 52	32 68	100 00

TABLE 2.13

INTRA-ASIAN TRADE IN MANUFACTURED GOODS (SITC 5 TO 8, LESS 68)  
AT CURRENT PRICES, SELECTED YEARS

(Percentage)

ORIGIN OF EXPORTS	1990											
	DESTINATION OF EXPORTS											
	Indonesia	Malaysia	Philippines	Singapore	Thailand	Hong Kong	India	Japan	Rep of Korea	Sri Lanka	Other Asia	All Asia
ASEAN countries												
Indonesia		2 84	2 09	17 80	1 93	8 79	0 29	32 22	7 35	0 56	26 13	100 00
Malaysia	1 60		2 30	56 10	3 12	10 22	0 49	15 82	2 94	0 41	7 00	100 00
Philippines	6 26	2 08		7 69	8 04	18 42	0 15	38 85	7 13	0 33	11 05	100 00
Singapore		33 64	2 86		11 68	12 25	3 56	13 77	5 58	1 09	16 57	100 00
Thailand	1 31	4 10	1 63	23 69		12 90	0 58	36 03	2 23	0 54	16 99	100 00
Selected Asian countries												
Hong Kong	1 50	2 14	2 60	9 13	2 59		0 59	14 13	2 29	0 81	64 22	100 00
India	2 62	2 78	0 62	7 38	5 97	16 65		26 16	2 30	3 19	32 33	100 00
Japan	6 14	6 70	2 94	12 72	11 10	15 37	2 03		20 14	0 38	22 48	100 00
Rep of Korea	4 69	3 22	2 18	7 74	4 17	15 92	1 82	47 34		0 75	12 17	100 00
Sri Lanka	1 90	1 34	0 13	20 06	14 56	8 18	2 80	40 62	1 01		9 40	100 00
Other Asian countries	2 41	2 12	1 57	5 13	3 41	50 63	1 09	17 88	3 32	0 43	12 01	100 00

TABLE 2.14

## GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

(Percentage)

Indonesia											
Average annual growth rate					Share in total manufactured trade						
Branch	ISIC code	Exports		Imports		Exports			Imports		
		1975-85	1985-91	1975-85	1985-91	1975	1985	1991	1975	1985	1991
Food products (311-2)		13.64	3.48	-4.49	17.31	36.03	24.92	9.84	9.23	3.04	2.99
Beverages (313)		0.51	89.12	2.03	13.64	0.02	-	0.06	0.11	0.07	0.06
Tobacco (314)		-8.55	58.93	-22.59	60.37	1.39	0.11	0.57	0.16	0.01	0.04
Textiles (321)		63.48	39.59	-1.31	36.42	0.18	4.81	11.45	3.48	1.59	3.88
wearing apparel (322)		63.85	37.47	-6.31	40.15	0.25	6.81	14.77	0.11	0.03	0.08
leather and fur products (323)		33.19	47.23	5.19	114.83	0.05	0.16	0.53	0.03	0.02	0.82
Footwear (324)		37.77	116.54	11.09	61.25	0.03	0.16	5.34	0.04	0.06	0.40
Wood and cork products (331)		43.09	20.66	-5.66	55.12	3.44	23.86	23.66	0.09	0.03	0.14
Furniture, fixtures excl. metal (332)		40.93	98.82	3.99	19.65	0.02	0.11	2.20	0.11	0.09	0.10
Paper (341)		55.55	47.46	14.47	12.02	0.03	0.55	1.83	1.40	2.83	2.11
Printing and publishing (342)		-28.94	136.03	10.11	10.00	0.87	0.01	0.31	0.15	0.21	0.22
Industrial chemicals (351)		56.27	27.63	8.63	10.00	0.17	2.89	4.01	16.90	20.15	14.17
Other chemicals (352)		11.67	22.71	11.73	15.06	2.35	1.37	1.50	1.78	2.81	2.47
Petroleum refineries (353)		7.46	3.36	5.56	19.26	42.19	16.69	6.54	5.10	4.57	4.97
Prods. of petroleum and coal (354)		33.88	9.97	7.70	3.86	0.03	0.09	0.05	0.53	0.58	0.28
Rubber products (355)		44.49	61.54	5.88	9.17	0.02	0.15	0.86	0.68	0.63	0.40
Plastic products (356)		36.66	160.87	6.87	26.80	-	0.02	1.60	0.25	0.25	0.40
Pottery, china, earthenware (361)		72.25	114.47	8.28	14.52	-	0.01	0.26	0.14	0.17	0.14
Glass (362)		51.28	57.28	8.90	17.58	0.01	0.17	0.81	0.28	0.35	0.35
Other non-metallic mineral prods. (369)		153.63	18.89	7.44	-1.25	-	0.46	0.41	1.93	2.06	0.72
Iron and steel (371)		56.94	43.09	3.75	13.13	0.04	0.68	1.87	11.10	8.36	6.63
Non-ferrous metal (372)		22.17	0.63	11.78	15.77	8.75	12.49	3.86	1.54	2.45	2.23
Metal products (381)		7.40	79.53	7.92	7.11	0.34	0.13	1.44	4.86	5.44	3.10
Non-electrical machinery (382)		16.93	16.55	9.62	23.63	0.74	0.68	0.55	16.54	21.61	29.18
Electrical machinery (383)		27.52	26.76	5.71	21.45	0.92	2.03	2.70	8.26	7.50	9.10
Transport equipment (384)		-15.21	108.09	5.71	17.47	1.26	0.05	1.21	13.74	12.49	12.40
Prof. scient. equipment (385)		9.18	29.40	14.57	15.64	0.72	0.33	0.50	1.13	2.30	2.08
Other manufactures (390)		28.52	55.26	7.02	28.37	0.12	0.28	1.24	0.31	0.32	0.54

TABLE 2.14

## GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

(Percentage)

## Malaysia

Branch (ISIC code)	Average annual growth rate				Share in total manufactured trade					
	Exports		Imports		Exports			Imports		
	1975-85	1985-91	1975-85	1985-91	1975	1985	1991	1975	1985	1991
Food products (311/2)	11.92	4.10	6.57	8.28	33.75	28.16	11.43	14.66	7.23	3.89
Beverages (313)	8.64	21.92	8.93	7.56	0.19	0.12	0.12	0.76	0.47	0.24
Tobacco (314)	-18.58	79.87	-2.01	27.89	0.30	0.01	0.11	0.41	0.09	0.13
Textiles (321)	18.75	18.33	10.11	22.58	1.61	2.42	2.12	4.35	2.98	3.37
wearing apparel (322)	22.70	29.67	10.46	13.91	1.84	3.86	5.85	0.57	0.40	0.29
Leather and fur products (323)	6.87	59.31	7.71	28.68	0.04	0.02	0.10	0.17	0.10	0.15
Footwear (324)	1.20	30.18	23.36	11.59	0.55	0.17	0.26	0.05	0.10	0.07
Wood and cork products (331)	8.87	20.17	6.11	22.32	12.00	7.60	7.30	0.31	0.14	0.16
Furniture, fixtures excl metal (332)	15.16	57.94	21.81	21.98	0.16	0.18	0.88	0.10	0.19	0.21
Paper (341)	15.79	44.85	12.82	19.12	0.16	0.19	0.55	2.37	2.07	1.98
Printing and publishing (342)	13.45	38.36	11.38	11.92	0.12	0.12	0.26	0.72	0.55	0.36
Industrial chemicals (351)	24.60	19.36	14.66	17.38	0.77	1.88	1.74	7.43	7.62	6.66
Other chemicals (352)	12.41	25.22	13.83	12.32	0.64	0.55	0.68	2.88	2.74	1.84
Petroleum refineries (353)	14.69	-2.52	18.43	3.49	5.14	5.48	1.50	6.50	9.21	3.78
Prods of petroleum and coal (354)	4.53	22.53	12.28	13.14	0.02	0.01	0.01	0.37	0.31	0.22
Rubber products (355)	10.42	32.23	10.01	23.55	0.82	0.60	1.02	0.51	0.35	0.41
Plastic products (356)	21.28	39.29	21.30	29.84	0.35	0.65	1.51	0.34	0.60	0.97
Pottery, china, earthenware (361)	26.28	39.32	12.73	15.97	0.05	0.14	0.32	0.34	0.30	0.24
Glass (362)	21.14	21.87	13.76	18.71	0.12	0.23	0.24	0.49	0.47	0.44
Other non-metallic mineral prods (369)	12.73	36.06	10.67	8.65	0.30	0.27	0.54	1.38	0.99	0.54
Iron and steel (371)	22.63	27.06	12.24	22.15	0.32	0.67	0.90	6.26	5.19	5.76
Non-ferrous metals (372)	3.44	-10.32	15.51	27.10	22.55	8.56	1.42	1.44	1.59	2.23
Metal products (381)	13.62	38.80	12.17	20.35	0.65	0.63	1.44	3.51	2.89	2.93
Non-electrical machinery (382)	11.05	45.59	13.96	24.55	3.76	2.91	8.83	15.61	15.07	18.78
Electrical machinery (383)	34.29	27.74	22.81	23.80	5.66	29.23	40.49	11.86	24.18	29.06
Transport equipment (384)	23.62	29.51	12.58	21.47	1.50	3.38	5.09	12.19	10.41	11.16
Prof. scient equipment (385)	-3.80	35.23	11.93	23.31	6.28	1.15	2.25	3.39	2.73	3.21
Other manufactures (390)	24.54	50.23	14.17	18.15	0.34	0.83	3.04	1.04	1.02	0.93

TABLE 2.14

## GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

(Percentage)

Branch (ISIC code)	Philippines				Share in total manufactured trade					
	Average annual growth rate				Share in total manufactured trade					
	Exports		Imports		Exports			Imports		
	1975-85	1985-91	1975-85	1985-91	1975	1985	1991	1975	1985	1991
Food products (311/2)	-0.72	-0.02	3.70	8.20	71.41	34.77	17.96	8.22	11.74	6.54
Beverages (313)	5.57	39.20	1.68	11.58	0.10	0.09	0.34	1.08	1.26	0.85
Tobacco (314)	18.82	36.43	28.38	9.49	0.06	0.17	0.56	0.02	0.23	0.14
Textiles (321)	6.39	17.51	7.53	23.65	1.71	1.67	2.27	2.68	5.50	6.83
wearing apparel (322)	23.05	18.11	15.87	32.18	2.52	10.49	14.73	0.03	0.12	0.23
Leather and fur products (323)	-0.48	29.35	29.44	27.57	0.78	0.39	0.94	0.03	0.42	0.63
Footwear (324)	23.34	26.04	45.73	54.58	0.25	1.07	2.21	-	0.06	0.28
Wood and cork products (331)	9.25	1.32	-1.71	36.07	7.25	9.20	5.15	0.06	0.06	0.11
Furniture, fixtures excl. metal (332)	32.65	14.28	5.22	44.79	0.30	2.62	3.02	0.02	0.03	0.09
Paper (341)	18.12	19.35	7.48	9.69	0.20	0.56	0.84	1.74	3.55	2.15
Printing and publishing (342)	20.96	51.89	-0.36	18.87	0.03	0.11	0.68	0.53	0.50	0.49
Industrial chemicals (351)	24.21	11.57	3.80	12.03	1.19	5.43	5.42	16.22	21.94	15.08
Other chemicals (352)	10.61	22.27	4.43	15.88	0.39	0.55	0.96	3.08	4.71	3.95
Petroleum refineries (353)	-2.91	33.14	6.94	13.36	2.82	1.10	3.17	2.38	4.63	3.41
Prods. of petroleum and coal (354)	-18.20	14.29	6.50	2.82	0.04	-	-	0.33	0.61	0.25
Rubber products (355)	9.81	37.59	-1.80	26.20	0.09	0.12	0.41	0.96	0.80	1.12
Plastic products (356)	17.21	14.86	1.88	44.23	0.43	1.09	1.30	0.28	0.33	1.04
Pottery, china, earthenware (361)	12.03	37.13	-5.50	26.14	0.14	0.22	0.77	0.21	0.12	0.16
Glass (362)	4.90	36.70	0.36	31.02	0.20	0.17	0.55	0.37	0.38	0.67
Other non-metallic mineral prods (369)	-7.19	-0.65	-3.73	18.86	2.29	0.57	0.28	0.78	0.53	0.52
Iron and steel (371)	34.23	5.61	-2.88	25.57	0.16	1.61	1.15	7.79	6.77	7.87
Non-ferrous metals (372)	19.52	-0.59	0.53	23.92	3.16	9.84	4.91	1.76	1.84	2.32
Metal products (381)	22.36	17.37	-2.98	11.33	0.26	1.03	1.39	4.59	3.44	2.28
Non-electrical machinery (382)	8.45	42.68	-6.75	22.68	0.61	0.72	3.12	23.27	11.49	13.61
Electrical machinery (383)	56.55	24.63	8.12	24.25	0.24	10.91	21.15	6.06	13.13	16.79
Transport equipment (384)	23.24	12.98	-14.08	41.80	0.21	0.89	0.96	16.69	3.63	10.26
Prof. scient. equipment (385)	15.99	22.05	3.85	15.62	0.10	0.24	0.40	1.30	1.88	1.56
Other manufactures (390)	13.55	15.21	11.44	9.29	3.07	4.39	5.30	0.46	1.31	0.78

TABLE 2.14

## GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

(Percentage)

## Singapore

Branch (SIC code)	Average annual growth rate				Share in total manufactured trade					
	Exports		Imports		1975	Exports		1975	Imports	
	1975-85	1985-91	1975-85	1985-91		1985	1991		1985	1991
Food products (311-2)	13.19	1.49	10.85	4.05	8.28	6.52	2.49	9.09	7.93	3.31
Beverages (313)	14.45	48.21	13.15	24.40	0.30	0.27	0.99	0.55	0.59	0.72
Tobacco (314)	32.41	44.16	24.34	25.68	0.08	0.29	0.90	0.22	0.60	0.78
Textiles (321)	10.51	20.52	8.50	14.27	2.99	1.85	1.98	6.60	4.65	3.40
Wearing apparel (322)	16.49	21.72	17.41	23.55	2.60	2.73	3.10	1.03	1.69	1.85
Leather and fur products (323)	15.74	17.14	8.88	25.72	0.14	0.13	0.12	0.61	0.37	0.49
Footwear (324)	2.04	28.08	17.17	15.47	0.21	0.06	0.09	0.21	0.32	0.25
Wood and cork products (331)	9.19	7.50	9.12	15.43	3.33	1.83	0.99	1.31	0.98	0.76
Furniture, fixtures excl. metal (332)	27.58	17.24	30.87	7.39	0.16	0.42	0.38	0.15	0.69	0.35
Paper (341)	20.36	18.89	14.24	19.47	0.39	0.67	0.56	1.13	1.33	1.27
Printing and publishing (342)	12.78	26.57	11.96	17.80	0.63	0.48	0.60	0.58	0.56	0.49
Industrial chemicals (351)	24.87	22.30	11.33	26.68	2.15	4.52	5.29	5.27	4.80	6.52
Other chemicals (352)	12.75	19.76	10.36	18.37	2.32	1.75	1.81	3.05	2.55	2.30
Petroleum refineries (353)	13.03	8.80	14.74	5.85	39.40	30.58	17.73	8.32	10.24	4.74
Prods. of petroleum and coal (354)	29.52	-11.88	9.90	15.49	0.23	0.68	0.11	0.18	0.14	0.11
Rubber products (355)	13.50	22.26	12.34	20.65	0.33	0.27	0.31	0.64	0.64	0.64
Plastic products (356)	26.12	26.68	15.89	25.39	0.27	0.63	0.91	0.60	0.82	1.04
Pottery, china, earthenware (361)	16.66	28.13	12.90	11.36	0.05	0.05	0.07	0.41	0.43	0.27
Glass (362)	14.27	25.55	15.58	13.33	0.23	0.20	0.27	0.52	0.69	0.48
Other non-metallic mineral prods. (369)	11.70	7.85	12.71	8.66	0.42	0.29	0.16	1.51	1.55	0.84
Iron and steel (371)	9.16	16.92	1.79	21.19	2.02	1.10	0.99	9.69	3.60	3.75
Non-ferrous metals (372)	33.64	13.54	13.33	29.11	0.39	1.61	1.21	1.12	1.22	1.85
Metal products (381)	15.07	20.18	10.72	16.37	1.60	1.49	1.57	3.98	3.43	2.80
Non-electrical machinery (382)	22.98	31.95	11.76	27.12	7.40	13.35	24.66	15.07	14.28	19.79
Electrical machinery (383)	20.45	23.66	17.09	26.20	14.16	20.76	25.96	13.89	20.96	27.82
Transport equipment (384)	12.38	11.14	14.02	16.57	6.17	4.52	2.98	8.58	9.92	8.18
Progr., scient. equipment (385)	11.04	25.05	12.22	21.77	2.95	1.92	2.57	3.64	3.59	3.85
Other manufactures (390)	19.92	19.17	8.57	17.82	0.79	1.11	1.11	2.15	1.52	1.34

TABLE 2.14

## GROWTH AND STRUCTURE OF TRADE IN MANUFACTURES, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

(Percentage)

Branch, ISIC code	Thailand				Share in total manufactured trade					
	Average annual growth rate									
	Exports 1975-85	Imports 1985-91	Exports 1975-85	Imports 1985-91	Exports 1985	Imports 1991	Exports 1975	Imports 1985	Imports 1991	
Food products (311-2)	10.98	16.69	10.14	23.58	58.47	39.49	20.57	3.26	3.21	2.39
Beverages (313)	18.44	41.78	18.96	29.82	0.03	0.06	0.08	0.27	0.57	0.57
Tobacco (314)	13.57	2.46	28.71	26.44	0.01	0.01	-	0.01	0.06	0.05
Textiles (321)	16.50	18.50	5.50	29.80	8.03	8.81	5.03	3.65	3.09	3.09
Wearing apparel (322)	26.71	36.28	1.89	43.30	4.60	11.68	15.44	0.13	0.06	0.11
Leather and fur products (323)	35.50	39.52	22.36	61.73	0.27	1.33	2.03	0.06	0.16	0.60
Footwear (324)	76.31	48.45	16.57	59.06	0.02	1.43	3.15	0.02	0.03	0.11
Wood and cork products (331)	4.58	18.24	22.38	46.85	4.44	1.65	0.93	0.22	0.62	1.30
Furniture, fixtures excl. metal (332)	31.43	45.18	22.19	26.60	0.21	0.78	1.51	0.03	0.08	0.67
Paper (341)	18.11	19.45	10.97	20.93	0.36	0.45	0.27	2.40	2.54	1.66
Printing and publishing (342)	35.11	77.47	9.47	21.25	0.01	0.06	0.39	0.45	0.41	0.27
Industrial chemicals (351)	27.95	39.68	11.96	19.12	0.50	1.42	2.17	13.69	15.86	9.47
Other chemicals (352)	16.86	39.12	9.11	17.58	0.52	0.58	0.87	4.24	3.79	2.10
Petroleum refineries (353)	2.99	40.38	11.37	20.99	1.03	0.33	0.52	8.46	9.31	6.10
Prods. of petroleum and coal (354)	6.19	23.70	8.90	14.52	0.01	0.01	-	0.54	0.47	0.22
Rubber products (355)	31.24	29.61	15.37	22.20	0.27	0.98	0.96	0.61	0.96	0.66
Plastic products (356)	29.34	44.73	14.58	43.62	0.46	1.43	2.71	0.45	0.65	1.19
Pottery, china, earthenware (361)	24.18	61.37	14.73	16.04	0.08	0.17	0.61	0.15	0.22	0.11
Glass (362)	36.02	27.91	8.54	36.37	0.09	0.46	0.42	0.38	0.32	0.14
Other non-metallic mineral prods. (369)	-0.05	28.17	5.12	58.84	2.39	0.57	0.52	0.74	0.46	1.53
Iron and steel (371)	29.98	15.77	13.76	29.66	0.45	1.49	0.74	6.91	9.39	9.37
Non-ferrous metals (372)	7.91	-19.35	8.81	30.74	9.84	5.02	0.29	2.53	2.26	2.36
Metal products (381)	17.24	42.95	6.83	27.64	0.97	1.14	2.00	4.35	3.15	2.85
Non-electrical machinery (382)	45.93	59.72	9.18	36.30	0.34	3.54	12.12	19.16	17.28	22.15
Electrical machinery (383)	33.71	42.47	14.75	39.54	1.99	8.79	15.18	6.94	10.29	15.88
Transport equipment (384)	29.84	62.40	4.46	25.04	0.13	0.41	1.55	17.94	10.39	8.30
Prof., scient. equipment (385)	26.44	46.63	17.08	26.24	0.40	1.00	2.06	1.45	2.63	2.23
Other manufactures (390)	21.71	32.95	17.64	54.35	4.08	6.93	7.90	0.91	1.72	4.87



NET EXPORTS AS PERCENTAGE OF TOTAL TRADE, ASEAN COUNTRIES, 1975, 1985 AND 1991

Branch (SITC code)	Indonesia			Malaysia			Philippines			Singapore			Thailand		
	1975	1985	1991	1975	1985	1991	1975	1985	1991	1975	1985	1991	1975	1985	1991
Food products (311/2)	8 88	65 26	38 29	28 25	48 94	39 45	52 56	47 60	27 35	-17 17	-6 88	-14 28	78 43	39 85	72 70
Beverages (313)	-92 99	-93 93	-19 96	-67 59	-68 32	-42 93	-90 98	-87 13	-68 81	-39 96	-36 03	18 81	-88 84	-89 10	-82 17
Tobacco (314)	31 08	81 96	81 04	-26 50	-83 31	-17 28	19 84	-18 36	44 17	-57 66	-33 00	6 86	-55 71	-84 95	-95 50
Textiles (321)	97 77	27 40	33 64	-55 46	-24 24	-33 63	-51 47	-55 28	-64 99	-48 06	-40 89	-28 66	0 72	34 77	8 92
Wearing apparel (322)	-32 11	98 56	98 36	43 36	75 72	88 06	96 63	97 68	96 30	32 63	29 06	24 91	88 08	98 50	98 08
Leather and fur products (323)	-42 64	61 97	-38 77	-72 04	-73 86	-29 74	84 74	-6 78	-2 63	-66 03	-45 25	-60 42	37 19	71 66	42 80
Footwear (324)	-69 22	22 10	80 38	79 38	9 11	60 32	97 89	89 14	67 30	-12 07	-67 10	-48 34	-30 84	94 15	91 27
Wood and cork products (331)	78 32	99 62	98 31	93 64	95 04	94 80	96 79	98 87	93 65	32 66	32 98	12 82	60 68	60 68	31 04
Furniture, fixtures excl metal (332)	-93 11	-14 52	88 03	9 60	-18 23	53 04	80 31	97 87	91 49	-8 91	-21 33	4 66	52 68	73 97	67 66
Paper (341)	-98 95	-79 62	-26 74	-90 17	-87 43	-64 38	-88 93	-73 81	-89 98	-67 49	-37 46	-38 71	-87 09	-77 13	-78 68
Printing and publishing (342)	10 80	-96 93	-3 59	-78 64	-72 66	-27 68	-94 34	-66 32	-6 30	-8 31	-4 66	18 71	-97 48	-80 97	1 68
Industrial chemicals (351)	-99 56	-84 66	-67 64	-85 09	-68 77	-66 03	-92 48	-61 91	-62 66	-51 68	-0 10	-10 61	-96 66	-87 84	71 19
Other chemicals (352)	-55 84	-56 01	-41 34	-70 71	-73 70	-64 96	-88 09	-78 78	-73 11	-26 83	-16 80	-12 16	-89 36	-79 92	-63 13
Petroleum refineries (353)	27 88	35 88	-5 38	-23 87	-38 32	-62 51	-26 60	-63 14	-26 64	67 22	51 66	67 70	-89 38	-96 00	-88 24
Prods of petroleum and coal (354)	-97 94	-63 17	77 07	-91 66	-95 78	-93 28	-87 96	-99 09	-88 29	-0 72	67 19	0 28	-97 50	-98 06	-96 92
Rubber products (355)	-98 77	-76 53	18 80	10 69	12 52	31 81	-91 27	-76 63	-62 06	-42 26	-37 96	-34 48	-56 89	-14 63	3 03
Plastic products (356)	-99 39	-92 97	46 86	-79 73	-48 02	10 07	-13 26	-51 36	-11 63	-48 22	-10 26	-1 20	-36 68	22 85	26 03
Pottery, china, earthenware (361)	-99 87	-94 33	11 23	-79 73	-48 02	2 31	-60 24	29 17	60 12	-64 22	-78 75	-66 74	-60 63	-59 77	69 31
Glass (362)	-97 95	-56 58	22 77	-67 06	-46 01	-39 68	-56 66	-39 86	-28 64	-48 83	-63 14	-27 76	-80 48	1 66	-17 38
Other non-metallic mineral prods (369)	-100 00	-77 28	-43 86	-71 16	-66 29	-12 28	18 91	0 86	-48 48	-64 73	-87 26	-84 44	19 78	-6 20	-60 16
Iron and steel (371)	-99 86	-91 02	-67 71	-82 33	-82 38	-78 20	-97 94	-88 18	-82 88	-72 18	-60 93	-84 44	-84 12	-79 39	-89 00
Non-ferrous metals (372)	9 77	49 46	8 37	84 83	60 32	-33 48	-6 20	67 14	16 08	-67 66	16 68	-21 40	27 40	23 62	-83 66
Metal products (381)	-97 04	-97 18	-61 80	-74 80	-71 84	-44 34	-94 86	-66 68	-43 79	-62 41	-37 08	-28 46	-81 31	-68 67	-31 96
Non-electrical machinery (382)	-98 10	-96 41	-97 47	-68 47	-74 75	-46 12	-97 42	-88 82	-74 42	-44 81	-0 40	10 74	-98 38	-74 13	-42 63
Electrical machinery (383)	-96 32	-72 94	-66 36	-4 96	-4 96	4 44	-86 17	-11 72	-10 83	-11 66	2 42	-3 69	-76 63	-23 47	-17 61
Transport equipment (384)	-96 15	-99 57	-87 48	-82 56	-60 86	-47 32	-98 74	-62 06	-68 69	-28 33	-34 86	-46 76	-99 36	-84 46	-76 92
Prof. scient. equipment (385)	-76 05	-84 49	-71 67	18 04	-51 89	-28 97	-92 40	-78 67	-71 64	-22 73	-27 67	-20 17	-77 26	-66 63	-19 04
Other manufactures (390)	-85 03	-32 89	22 50	-59 41	-24 42	43 93	55 06	62 20	62 74	-66 61	-12 80	-9 43	36 02	48 96	8 74

TABLE 2.16

## RCA INDICES BY MANUFACTURING BRANCH, ASEAN COUNTRIES, SELECTED YEARS

(Index)

Branch (ISIC code)	Indonesia			Malaysia			Philippines			Singapore			Thailand		
	1975	1985	1990	1975	1985	1990	1975	1985	1990	1975	1985	1990	1975	1985	1990
Food products (311/2)	3.78	3.41	1.66	3.54	3.86	2.20	7.49	4.76	3.27	0.87	0.89	0.43	6.13	5.41	3.71
Beverages (313)	0.02	-	0.11	0.22	0.15	0.15	0.11	0.12	0.24	0.34	0.36	0.70	0.03	0.06	0.10
Tobacco (314)	5.56	0.37	1.23	1.20	0.03	0.09	0.24	0.57	1.47	0.32	0.97	2.19	0.04	0.03	-
Textiles (321)	0.04	1.28	2.44	0.36	0.64	0.52	0.39	0.44	0.55	0.67	0.49	0.45	1.81	2.34	1.26
Wearing apparel (322)	0.11	2.37	3.51	0.79	1.34	1.69	1.08	3.66	4.08	1.11	0.96	0.86	1.97	4.07	4.02
Leather and fur products (323)	0.10	0.27	1.06	0.08	0.03	0.14	1.56	0.66	1.53	0.28	0.22	0.19	0.64	2.25	3.58
Footwear (324)	0.04	0.19	3.84	0.80	0.20	0.32	0.36	1.24	1.53	0.30	0.07	0.08	0.03	1.66	3.31
Wood and cork products (331)	2.69	18.93	19.51	9.38	6.03	6.38	5.66	7.30	4.48	2.60	1.45	0.77	3.47	1.32	0.79
Furniture, fixtures excl. metal (332)	0.04	0.16	2.27	0.30	0.26	0.80	0.57	3.80	3.90	0.30	0.61	0.44	0.40	1.13	1.58
Paper (341)	0.01	0.21	0.57	0.06	0.07	0.24	0.07	0.21	0.26	0.13	0.22	0.20	0.12	0.17	0.08
Printing and publishing (342)	1.26	0.01	0.36	0.17	0.18	0.36	0.04	0.16	0.63	0.91	0.71	0.87	0.01	0.09	0.65
Industrial chemicals (351)	0.02	0.33	0.44	0.10	0.21	0.21	0.15	0.61	0.65	0.27	0.51	0.62	0.06	0.16	0.21
Other chemicals (352)	0.97	0.49	0.46	0.26	0.20	0.23	0.16	0.20	0.21	0.95	0.62	0.61	0.21	0.21	0.24
Petroleum refineries (353)	8.35	3.11	3.58	1.02	1.02	0.80	0.58	0.20	1.11	7.80	5.69	7.24	0.20	0.06	0.18
Products of petroleum and coal (354)	0.07	0.30	0.30	0.06	0.03	0.06	0.10	-	-	0.66	2.27	0.70	0.02	0.03	0.06
Rubber products (355)	0.02	0.16	1.01	0.80	0.65	0.92	0.09	0.13	0.33	0.32	0.29	0.33	0.26	1.07	1.02
Plastic products (356)	-	0.02	0.85	0.50	0.76	1.06	0.61	1.27	0.91	0.39	0.73	0.66	0.66	1.66	2.01
Pottery, china, earthenware (361)	-	0.04	0.70	0.20	0.56	0.97	0.56	0.88	2.13	0.20	0.20	0.27	0.32	0.68	1.93
Glass (362)	0.02	0.31	1.26	0.24	0.43	0.40	0.39	0.31	0.62	0.46	0.37	0.42	0.18	0.85	0.54
Other non-metallic mineral products (369)	-	0.56	1.03	0.33	0.33	0.70	2.54	0.70	0.29	0.47	0.35	0.19	2.66	0.70	0.71
Iron and steel (371)	0.01	0.14	0.48	0.04	0.14	0.28	0.02	0.33	0.43	0.27	0.23	0.24	0.06	0.31	0.19
Non-ferrous metals (372)	2.88	4.70	2.02	7.42	3.22	0.85	1.04	3.70	2.57	0.13	0.61	0.49	3.24	1.89	0.25
Metal products (381)	0.10	0.04	0.38	0.19	0.21	0.43	0.08	0.36	0.40	0.48	0.51	0.51	0.29	0.39	0.61
Non-electrical machinery (382)	0.06	0.06	0.03	0.25	0.20	0.37	0.04	0.06	0.16	0.48	0.91	1.51	0.02	0.24	0.71
Electrical machinery (383)	0.13	0.22	0.16	0.80	3.10	3.67	0.03	1.16	1.68	2.01	2.20	2.29	0.28	0.93	1.26
Transport equipment (384)	0.08	-	0.06	0.09	0.19	0.23	0.01	0.06	0.08	0.38	0.26	0.20	0.01	0.02	0.08
Professional equipment (385)	0.27	0.10	0.12	2.35	0.34	0.65	0.04	0.07	0.09	1.10	0.56	0.67	0.16	0.29	0.48
Other manufactures (390)	0.07	0.15	0.52	0.20	0.44	1.29	1.82	2.32	2.49	0.47	0.59	0.49	2.41	3.67	4.11

TABLE 2.17 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R &amp; D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

		Indonesia												
		By end-use						By R & D intensity						
		Semi-processed products			Processed products			High R & D products			Low R & D 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	285.8	395.2	31.5	712.6	99.7	25.6	30.6	7.4	163.4	34.1	109.2	732.7	876.0
1985	(millions of dollars)	689.2	452.9	239.0	1381.1	2365.2	437.3	106.8	13.9	2923.1	597.2	681.0	3026.0	4304.2
1991		1264.8	1018.7	425.0	2708.5	7136.1	4182.1	372.5	548.1	12218.8	564.6	1608.9	12753.8	14927.3
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
1985	(dollars)	4.1	2.7	1.4	8.3	14.1	2.6	0.6	0.1	17.5	3.6	4.1	18.1	25.7
1991		6.7	5.4	2.3	14.4	38.0	22.1	2.0	2.9	65.0	3.0	8.6	67.8	79.4
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
1985	(percentage)	3.7	2.4	1.3	7.4	12.7	2.4	0.6	0.1	16.7	3.2	3.7	16.3	23.2
1991		4.4	3.5	1.5	9.3	24.6	14.4	1.3	1.9	42.1	1.9	5.5	44.0	51.5
1975-85	Growth rate	9.2	1.4	22.4	6.8	37.2	32.8	13.3	6.4	33.4	33.1	20.1	15.2	17.3
1985-91	(percentage)	10.6	14.5	10.1	11.9	20.2	45.6	23.2	84.5	26.9	-0.9	15.4	27.1	23.0
1975-91		9.7	6.1	17.6	8.7	30.6	37.5	16.9	30.8	31.0	19.2	18.3	19.5	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
1985	(millions of dollars)	255.0	427.2	312.4	994.6	3261.5	191.9	2933.9	1283.3	7670.7	2182.1	3452.5	3050.6	8665.3
1991		640.9	1153.0	1024.8	2818.7	6949.7	766.2	9606.8	3150.6	20372.3	5365.3	10480.7	7345.1	23191.0
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
1985	(dollars)	1.5	2.6	1.9	5.9	19.5	1.1	17.5	7.7	45.8	12.9	20.6	18.2	51.8
1991		3.4	6.1	5.5	15.0	37.0	4.1	50.6	16.8	108.4	28.5	55.8	39.1	123.4
1975	Share in country imports	8.9	4.2	2.0	15.0	35.8	1.7	25.7	16.1	79.4	14.9	41.8	37.7	94.4
1985	(percentage)	2.5	4.2	3.0	9.7	31.8	1.9	28.6	12.5	74.8	21.1	33.7	29.7	84.5
1991		2.5	4.5	4.0	10.9	26.9	3.0	36.7	12.2	78.8	20.7	40.5	28.4	89.6
1975-85	Growth rate	4.9	8.0	12.4	3.3	6.7	8.8	9.1	5.3	7.3	11.8	5.6	5.4	6.8
1985-91	(percentage)	16.6	18.0	21.9	19.0	13.4	26.0	21.6	16.1	17.7	16.4	20.3	15.8	17.8
1975-91		2.6	11.6	15.9	8.9	9.2	15.0	13.7	9.2	11.1	13.5	10.9	9.2	10.8

TABLE 2.17 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R &amp; D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

		Malaysia												
		By end-use							By R & D intensity					
Year period	Indicator	Semi-processed products			Processed products				Total processed	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
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
1985	(millions of dollars)	2320.5	454.6	492.8	3267.9	1381.8	527.3	2455.1	605.0	4969.2	2536.2	1363.7	4347.2	8237.1
1991		3040.9	373.3	1324.1	4738.3	2879.3	4309.7	9683.7	4229.8	21102.5	9938.2	6345.8	9556.8	25840.8
1975	Per capita value	60.5	4.9	15.1	80.5	56.1	7.1	26.0	6.1	96.4	25.2	51.9	98.7	175.8
1985	(dollars)	148.0	29.0	31.4	208.4	88.1	33.6	156.8	38.8	317.0	161.8	86.3	277.3	525.4
1991		165.2	20.3	71.9	257.5	156.5	234.2	526.2	229.8	1146.7	540.0	344.8	519.3	1404.2
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	31.4	56.0
1985	(percentage)	14.8	2.9	3.2	20.9	8.8	3.4	15.7	3.9	31.8	16.2	8.7	27.8	52.7
1991		8.9	1.1	3.9	13.8	8.4	12.6	26.2	12.3	61.5	29.0	18.5	27.9	75.3
1975-85	Growth rate	12.1	22.5	10.3	12.7	7.2	19.7	22.6	23.2	15.6	23.4	7.8	13.6	14.3
1985-91	(percentage)	4.6	13.2	17.9	6.4	13.0	41.9	25.7	38.3	27.3	25.6	29.4	14.0	21.0
1975-91		9.2	12.2	13.1	10.3	9.4	27.6	23.8	28.7	19.8	24.2	15.5	13.8	16.8
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
1985	(millions of dollars)	858.5	999.3	62.9	1920.6	2525.1	535.7	4450.4	1609.0	9120.2	3605.8	3375.2	4059.9	11040.9
1991		1357.0	1249.3	160.9	2767.2	7408.9	1668.7	16207.9	4903.2	30188.8	13269.3	10832.4	8854.3	37956.0
1975	Per capita value	37.1	12.4	3.0	52.5	60.7	11.1	71.0	38.1	180.9	48.0	84.4	100.9	232.3
1985	(dollars)	54.8	63.7	4.0	122.5	161.1	34.2	283.9	102.6	581.7	230.0	215.3	259.0	704.2
1991		73.7	67.9	8.7	150.4	402.6	90.7	880.7	266.4	1640.4	721.0	588.6	481.1	1790.8
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
1985	(percentage)	6.9	8.1	0.5	15.3	20.2	4.3	35.6	12.9	28.8	27.0	32.4	32.4	88.2
1991		3.9	3.6	0.5	7.9	21.1	4.7	46.1	13.9	85.8	37.7	30.8	25.7	93.7
1975-85	Growth rate	6.6	20.7	5.5	11.6	13.0	14.7	17.7	13.2	15.2	19.9	12.6	12.6	14.5
1985-91	(percentage)	7.9	3.8	17.0	6.3	19.6	20.8	24.0	20.4	22.1	24.3	21.5	13.9	20.0
1975-91		7.1	14.1	9.7	9.5	15.4	17.0	20.1	15.8	17.7	21.5	15.8	13.1	16.5

TABLE 2.17 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END USE AND R &amp; D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

		Philippines												
		By end-use							By R & D intensity					
		Semi-processed products			Processed products									
Year/ period	Indicator	Food	Petroleum products	Supplies and inter- mediates	Total semi- processed	Supplies and inter- mediates	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	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
1985	(millions	808.6	20.0	104.4	933.0	606.3	541.8	276.4	44.3	1468.8	373.1	459.9	1568.7	2401.8
1991	of dollars)	906.2	153.6	45.8	1105.6	935.6	1463.9	1078.2	172.4	3660.1	1018.1	1029.0	2708.6	4755.7
1975	Per capita	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
1985	value	14.7	0.4	1.9	16.9	11.0	9.8	5.0	0.8	28.6	6.8	8.3	28.5	43.6
1991	(dollars)	14.1	2.4	0.7	17.3	14.6	22.9	16.8	2.7	57.0	16.9	16.1	42.3	74.2
1975	Share in country	42.3	1.7	1.3	45.3	7.8	4.8	0.4	0.3	13.3	0.8	4.5	53.3	58.1
1985	exports	17.6	0.4	2.3	20.3	13.2	11.8	6.0	1.0	32.0	8.1	10.0	34.2	52.3
1991	(percentage)	10.4	1.8	0.5	12.6	10.7	16.7	12.3	2.0	41.7	11.6	11.8	30.9	54.3
1975-85	Growth rate	-1.5	-6.1	13.5	-0.7	13.4	17.7	41.6	19.3	17.4	36.2	16.4	2.9	6.3
1985-91	(percentage)	1.9	40.5	-12.8	2.9	7.5	18.0	25.5	25.4	16.4	18.2	14.4	9.5	12.1
1975-91		-0.2	9.2	2.8	0.6	11.1	17.8	35.3	21.5	17.0	29.1	15.7	5.3	8.4
IMPORTS														
1975	Value	241.8	44.3	61.5	347.5	839.6	75.1	877.0	458.9	2260.5	543.1	1173.4	891.5	2608.0
1985	(millions	344.0	118.2	58.0	520.2	1100.4	115.1	716.7	185.6	2117.8	811.3	750.6	1076.0	2637.9
1991	of dollars)	555.9	248.5	154.4	958.9	2820.4	433.6	2428.3	962.3	6644.5	2391.9	2555.0	2656.5	7603.4
1975	Per capita	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
1985	value	6.2	2.1	1.1	9.4	20.0	2.1	13.0	3.4	38.4	14.7	13.6	19.5	47.9
1991	(dollars)	8.7	3.9	2.4	15.0	44.0	6.8	37.9	15.0	103.7	37.3	39.9	41.5	118.7
1975	Share in country	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
1985	imports	6.3	2.2	1.1	9.6	20.2	2.1	13.2	3.4	38.9	14.9	13.8	19.8	48.5
1991	(percentage)	4.6	2.0	1.3	7.9	23.2	3.6	20.0	7.9	54.7	19.7	21.0	21.9	62.6
1975-85	Growth rate	3.6	10.3	0.6	4.1	2.7	4.4	-2.0	8.8	-0.7	4.1	4.4	1.9	0.1
1985-91	(percentage)	8.3	13.2	17.7	10.7	17.0	24.7	22.6	31.6	21.0	19.7	22.6	16.3	19.3
1975-91		5.3	11.4	5.9	6.5	7.9	11.6	6.6	4.6	7.0	9.7	5.0	7.1	6.9

TABLE 2.17 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R &amp; 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	551.7	2238.9	800.4	703.2	2913.2	4416.8
1985	(millions of dollars)	1181.8	6075.6	170.9	7428.2	2493.3	1466.6	5759.6	2252.9	11971.4	5916.4	3743.7	9739.6	19399.7
1991		2302.1	9901.2	334.9	12538.2	6992.2	5692.6	23986.3	6613.7	43284.9	23894.0	12991.2	18937.8	56823.1
1975	Per capita value	146.5	781.5	34.4	962.4	224.4	140.0	376.7	248.2	989.3	353.7	310.7	1287.3	1951.7
1985	(dollars)	461.8	2374.2	66.8	2902.8	974.3	572.7	2250.7	880.4	4678.2	2312.0	1463.0	3806.0	7581.0
1991		834.1	3587.4	121.3	4542.8	2533.4	2062.5	8690.7	2396.3	15682.9	8667.3	4707.0	6861.5	20225.8
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
1985	(percentage)	5.2	26.6	0.7	32.6	10.9	6.4	25.2	9.9	52.6	25.9	16.4	42.7	85.0
1991		3.9	16.3	0.6	21.3	11.9	9.7	40.7	11.2	73.5	40.6	22.1	32.2	94.8
1975-85	Growth rate (percentage)	13.6	11.1	8.2	13.1	17.2	16.6	21.1	14.9	18.3	22.1	18.2	12.8	15.9
1985-91		11.8	8.5	11.9	9.1	18.8	25.4	26.8	19.7	23.9	26.2	23.0	11.7	19.3
1975-91		12.9	11.4	9.5	11.6	17.8	19.8	23.2	16.7	20.3	23.6	20.0	12.4	17.2
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
1985	(millions of dollars)	1543.2	1893.6	121.1	3557.9	3806.4	1590.0	6375.6	2970.2	14742.3	6156.4	4508.3	7635.4	18300.1
1991		2632.7	2653.0	294.7	5580.5	11526.3	5928.4	24593.8	8387.6	50436.1	23781.8	16414.6	15820.1	56016.5
1975	Per capita value	242.5	211.4	31.5	485.5	727.1	183.8	771.4	363.8	2046.1	518.7	777.7	1235.1	2531.6
1985	(dollars)	603.0	740.0	47.3	1390.3	1487.5	621.4	2491.4	1160.7	5760.9	2405.8	1761.7	2983.8	7151.3
1991		953.9	961.2	106.8	2021.9	4176.2	2148.0	8910.8	3039.0	18273.9	8616.6	5947.3	5731.9	20295.8
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
1985	(percentage)	5.9	7.2	0.5	13.6	14.5	6.1	24.3	11.3	56.2	23.5	17.2	29.1	69.7
1991		4.0	4.0	0.4	8.5	17.5	9.0	37.3	12.7	76.4	36.0	24.9	24.0	84.9
1975-85	Growth rate (percentage)	10.9	14.7	5.4	12.5	8.7	14.4	13.8	13.7	12.3	18.0	9.9	10.6	12.3
1985-91		9.3	5.8	16.0	7.8	20.3	24.5	25.2	18.9	22.8	25.3	24.0	12.9	20.5
1975-91		10.3	11.3	9.3	10.7	12.9	18.1	18.0	15.6	16.1	20.7	15.0	11.4	15.3

TABLE 2.17 SELECTED INDICATORS OF TRADE IN MANUFACTURES BY END-USE AND R &amp; D INTENSITY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED PERIODS AND YEARS

		Thailand													
		By end use					By R & D intensity								
Year period	Indicator	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	High R & D	Medium R & D	Low R & D	All products	
EXPORTS															
1975	Value	679.3	12.1	28.4	719.8	265.2	82.1	26.3	18.4	392.0	32.9	145.4	933.8	1111.8	
1985	(millions	1849.0	15.9	21.5	1885.5	996.4	985.0	613.0	106.1	2699.5	568.6	662.3	3366.0	4585.9	
1991	of dollars)	4664.9	121.4	86.6	4872.8	2693.3	8017.6	5009.8	2061.3	17772.1	4920.1	4426.0	13299.8	22544.9	
1975	Per capita	16.4	0.3	0.7	17.4	6.4	2.0	0.6	0.4	9.6	0.8	3.6	22.6	26.9	
1985	value	35.8	0.3	0.4	36.6	19.3	19.1	11.9	2.0	52.3	11.0	12.6	66.2	88.9	
1991	(dollars)	82.3	2.1	1.5	86.0	47.5	141.5	88.4	36.2	313.7	86.9	78.1	234.8	399.7	
1975	Share in country	31.4	0.6	1.3	33.3	12.3	3.8	1.2	0.8	18.1	1.6	6.7	43.2	51.4	
1985	exports	26.2	0.2	0.3	26.7	14.1	14.0	8.7	1.5	38.3	8.1	9.2	47.7	65.0	
1991	(percentage)	16.5	0.4	0.3	17.2	9.5	28.3	17.7	7.2	62.7	17.4	15.6	47.0	79.9	
1975-85	Growth rate	10.5	2.8	-2.7	10.1	14.2	28.2	37.0	19.1	21.3	33.0	16.2	13.7	15.2	
1985-91	(percentage)	16.7	40.3	26.1	17.1	18.0	41.8	41.9	64.1	36.9	43.3	37.6	25.7	30.5	
1975-91		12.8	15.5	7.2	12.7	15.6	33.2	38.8	34.3	26.9	36.8	23.8	18.1	20.7	
IMPORTS															
1975	Value	85.6	111.1	110.1	306.7	806.2	111.3	771.3	483.3	2171.2	509.6	1207.4	760.8	2477.9	
1985	(millions	242.3	618.8	284.0	1145.1	2406.6	286.7	2074.4	874.4	5642.0	1833.6	2434.4	2519.1	6787.1	
1991	of dollars)	767.8	1944.5	1261.2	3973.5	9290.4	1574.5	12635.8	3610.6	27111.3	8622.0	12061.4	10411.3	31084.8	
1975	Per capita	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	
1985	value	4.7	12.0	5.5	22.2	46.6	5.6	40.2	16.9	109.3	36.5	47.2	48.8	131.5	
1991	(dollars)	13.6	34.3	22.3	70.1	164.0	27.8	223.1	63.7	478.6	152.2	212.7	183.8	546.7	
1975	Share in country	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	
1985	imports	2.6	6.7	3.1	12.4	26.0	3.1	22.5	9.5	61.1	19.8	26.4	27.3	73.5	
1991	(percentage)	2.1	5.2	3.4	10.6	24.8	4.2	33.8	9.7	72.5	23.0	32.2	27.8	83.1	
1975-85	Growth rate	11.0	18.7	9.9	14.1	11.6	9.9	10.4	6.1	10.0	13.7	7.3	12.7	10.6	
1985-91	(percentage)	21.2	21.0	28.2	23.0	25.2	32.8	35.1	26.7	29.9	29.4	30.5	26.7	28.9	
1975-91		14.7	19.6	16.5	17.4	16.5	18.0	19.1	13.4	17.1	19.3	15.5	17.8	17.1	

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TABLE 2 18

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

Industry (ISIC code)	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	
	1985	1989	1985	1989	1985	1989	1985	1989	1985	1989
Slaughtering, preparing & preserving meat (311)	733	745	3194	2634	203 1	333 0	27 70	25 97	22 95	26 25
Dairy products (3112)	2216	2307	10122	10481	1322 5	1697 3	19 36	15 24	21 90	22 01
Canning, preserving of fruits & vegetables (3113)	502	315	2525	1948	311 7	1350 7	37 35	39 90	19 87	16 15
Canning, preserving and processing of fish (3114)	638	547	4219	3320	386 8	408 6	19 63	16 13	15 13	16 48
Vegetable and animal oils and fats (3115)	1030	1163	7070	5457	980 4	1115 9	26 48	25 44	14 57	21 32
Grain mill products (3116)	640	1035	2581	2696	225 2	264 7	16 41	16 58	24 79	38 40
Bakery products (3117)	446	515	985	1080	62 6	77 0	25 29	23 91	45 35	47 63
Sugar factories and refineries (3118)	1057	1139	2595	2410	3536 2	2664 5	13 85	22 97	40 76	47 24
Cocoa, chocolate and sugar confectionery (3119)	691	656	1646	1351	122 8	124 3	26 03	15 58	42 01	48 59
Other food products (312)	540	535	1481	2496	85 9	165 4	30 01	40 68	36 48	21 43
Prepared animal feeds (3122)	1854	1230	10534	10674	1082 9	1332 9	19 94	18 05	17 52	11 54
Distilling, rectifying & blending spirits (313)	584	718	771	1596	43 0	104 5	39 57	35 24	75 73	45 00
wine industries (3132)	898	851	2981	1876	313 5	151 1	33 41	20 15	30 11	45 38
Malt liquors and malt (3133)	3535	3567	25544	17598	9482 1	4765 6	56 35	27 71	13 84	20 27
Non-alcoholic beverages (3134)	1099	1190	3141	4406	228 9	305 7	21 50	26 88	34 99	27 00
Tobacco (3140)	462	466	3637	4674	815 4	1101 2	24 99	30 57	12 70	5 98
Spinning, weaving & finishing textiles (321)	645	595	2450	3250	399 2	659 1	31 79	28 94	26 34	18 31
Made-up textile goods excl. wearing apparel (3212)	449	382	1267	1066	92 3	87 9	39 71	29 22	35 44	35 85
knitting mills (3213)	588	679	1682	2501	201 1	530 6	32 62	34 97	34 97	27 14
Carpets and rugs (3214)	1046	1232	9495	8031	1080 5	934 8	30 10	34 12	11 02	15 34
Cordage, rope and twine (3215)	630	509	1423	1480	132 6	175 1	34 30	25 42	44 68	24 35
Other textiles (3219)	393	378	953	2130	54 1	123 1	23 74	40 67	41 24	17 75
wearing apparel (3220)	666	606	1533	1874	163 9	288 2	33 87	33 89	43 47	37 32
Tanneries and leather finishing (323)	728	647	3595	2089	226 2	182 4	31 06	16 78	20 24	30 98
Fur dressing and dyeing industries (3232)										
Leather prod. excl. wearing apparel (3233)	628	542	964	1466	30 0	79 3	40 30	23 64	65 13	37 01
Footwear (3240)	1086	810	3472	3241	263 4	508 4	45 67	47 52	31 28	25 00
Sawmills, planing & other wood mills (331)	964	995	3901	4606	823 5	1248 2	35 40	33 18	24 72	21 61
wooden and cane containers (3312)	627	401	1501	1036	65 3	87 2	35 41	21 05	41 76	35 35
Other wood and cork products (3319)	503	456	1627	1017	160 2	170 4	34 58	36 33	30 93	44 82
Furniture and fixtures excl. metal (3320)	753	642	1468	1648	63 5	118 5	39 25	38 50	51 28	38 96
Pulp, paper and paperboard (341)	1105	1227	5679	7971	1355 4	3274 0	30 97	24 43	19 46	15 39
Containers of paper and paperboard (3412)	1335	817	3169	2900	309 1	405 0	24 99	20 76	42 14	28 17
Other pulp, paper and paperboard articles (3419)	1027	1277	5382	6027	427 0	613 9	28 23	26 79	19 08	21 19
Printing and publishing (3420)	1323	1358	2644	3460	196 4	271 0	38 47	33 15	50 04	29 24
Basic chemicals excl. fertilizers (351)	1458	1426	5021	7732	527 5	883 0	30 71	25 85	29 02	18 44
Fertilizers and pesticides (3512)	4391	3904	19230	15991	5569 3	4200 2	35 55	33 40	22 83	24 41
Synthetic resins and plastic materials (3513)	771	616	2738	8127	84 9	312 0	24 90	48 49	28 17	7 58
Paints, varnishes and lacquers (352)	1402	1095	3921	3343	452 6	333 9	31 25	22 22	35 77	37 76
Drugs and medicines (3522)	2329	2068	4282	5203	704 3	862 0	29 29	32 28	54 39	39 74

(10)

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



TABLE 2 18  
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	
	1985	1989	1985	1989	1985	1989	1985	1989	1985	1989
Soap, cleaning preparations, perfumes, cosmetics (3523)	1502	1201	5504	4639	633.7	659.9	30.62	27.85	27.26	25.89
Other chemical products (3529)	1358	1093	8944	5408	2203.2	1205.7	38.60	26.16	15.18	20.20
Petroleum refineries (3530)										
Products of petroleum and coal (3540)	1760	1336	3791	6718	1588.6	2597.6	24.13	28.43	46.43	19.89
Tyres and tubes (3551)	766	817	3444	3084	756.0	820.1	28.27	28.02	22.25	26.49
Other rubber products (3559)	660	604	3580	1811	313.6	191.7	39.00	16.63	18.44	32.33
Plastic products (3560)	834	702	1948	2394	533.3	814.8	39.12	39.27	41.77	29.33
Potttery, china and earthenware (3610)	1501	1240	9335	4042	2452.6	1212.6	49.79	25.51	16.08	30.68
Glass (3620)	360	345	724	715	28.4	28.0	45.49	37.04	49.70	48.26
Structural clay products (3691)	1944	1686	9411	8565	1662.9	1651.5	27.82	25.57	20.66	19.69
Cement, lime and plaster (3632)	720	467	3575	1500	187.3	119.1	46.72	34.05	20.13	31.13
Other non-metallic mineral products (3699)	1656	2425	29979	37307	15628.8	18831.3	45.22	37.99	5.52	6.50
Iron and steel (3710)										
Non-ferrous metals (3720)	759	727	1612	2310	131.5	202.9	18.57	22.08	47.07	31.47
Cutlery, hand tools and general hardware (3811)	826	831	2148	2734	180.1	229.0	42.78	38.83	38.45	30.39
Furniture and fixtures primarily of metal (3812)	1810	1454	9889	17078	1314.8	2760.6	28.96	36.68	20.36	8.51
Structural metal products (3813)	923	757	2150	3095	210.1	365.9	33.82	35.83	42.93	24.46
Other metal products (3819)	1138	1329	4592	4838	404.6	477.5	35.83	32.16	24.78	27.46
Non-electrical machinery (3820)	1481	1367	6633	4929	1226.6	940.5	32.80	19.70	22.32	27.73
Electrical industrial machinery (3831)	974	723	4013	4584	1299.6	1478.3	23.14	28.91	24.28	15.78
Radio, TV, communication equipment, elect. appl. (3832)										
Other electrical apparatus and supplies (3839)	1886	1350	5034	3392	1277.0	451.0	42.74	45.92	37.47	39.79
Shipbuilding (3841)										
Railroad equipment (3842)	1639	1624	5940	16210	865.5	2778.1	31.80	44.76	27.59	10.02
Motor vehicles (3843)	1979	2035	10897	9285	4288.4	2777.6	29.92	9.87	18.16	21.92
Motorcycles and bicycles (3844)										
Aircraft (3845)	1069	1206	2550	1560	439.4	536.7	34.27	29.29	41.96	71.31
Other transport equipment (3849)	751	696	1818	1771	96.5	141.2	31.36	20.22	41.29	39.30
Photo, scientific, measuring equipment (38510)	591	518	1073	849	33.0	37.1	59.98	30.88	65.09	61.10
Jewellery and related articles (3901)	1510	2513	14597		1077.3		40.61		10.35	
Musical instruments (3902)	451	415	1103	782	59.7	66.5	33.85	28.42	40.69	53.11
Sporting and athletic goods (3903)	668	727	1739	2855	163.5	297.0	26.58	37.31	38.41	26.48
Other manufactures (3909)										

a. The following ISIC combinations are reported: 3820 = 3821 + 3822 + 3823 + 3824 + 3825 + 3829  
3832C = 3832 + 3833  
38510 = 3851 + 3852 + 3853

TABLE 2.18

## 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 ('000 dollar)		Value added as percentage of gross output		wages and salaries as percentage of value added	
	1985	1990	1985	1990	1985	1990	1985	1990	1985	1990
Slaughtering, preparing & preserving meat (311)	2376	2144	9384	8237	521.3	1029.6	35.85	30.39	25.32	26.03
Dairy products (312)	5020	5199	25157	21350	2608.9	2070.3	24.45	18.75	19.95	24.35
Canning, preserving of fruits & vegetables (313)	2438	2777	6211	7318	363.1	356.8	29.37	29.26	29.25	37.95
Canning, preserving and processing of fish (314)	1709	1762	4116	4413	351.6	487.0	16.87	16.73	41.53	39.92
Vegetable and animal oils and fats (315)	3190	3470	17402	19741	1627.1	1952.8	10.69	10.89	18.23	17.58
Grain mill products (316)	2537	2958	6330	7196	226.1	323.4	13.26	10.91	40.08	41.10
Bakery products (317)	1829	1904	3904	5201	134.4	226.3	30.62	32.67	46.84	36.60
Sugar factories and refineries (318)	3699	4760	19496	26819	7519.7	9195.0	21.87	18.75	18.97	17.75
Cocoa, chocolate and sugar confectionery (319)	2406	2751	7249	10592	570.7	1167.9	19.89	25.10	33.18	26.97
Other food products (321)	2607	2924	8295	8264	168.2	195.2	33.55	28.46	31.42	35.36
Prepared animal feeds (322)	3708	4130	16123	18205	792.5	879.9	14.74	12.44	23.00	22.69
Distilling, rectifying & blending spirits (331)	2114	2218	11579	9612	386.0	320.4	37.70	34.44	18.26	23.08
Wine industries (332)										
Malt, brewers and malt (333)	6657	8688	40842	102961	23144.0	61776.8	62.22	72.97	16.30	8.44
Non-alcohol beverages (334)	3556	3748	13716	25420	960.1	1638.2	42.47	38.14	25.92	14.74
Tobacco (340)	4860	5159	45581	29619	11395.3	4391.8	45.92	39.43	10.66	17.42
Spinning, weaving & finishing textiles (321)	2535	2930	5334	9210	1078.5	1306.6	26.96	28.50	47.52	31.82
Made up textile goods excl. wearing apparel (322)	2014	1885	3049	5200	194.0	390.0	30.90	40.19	66.04	36.26
Knitting mills (323)	1929	2444	3820	6358	354.7	1014.1	30.93	25.01	50.51	38.44
Carpets, rugs, cordage, rope & other textiles (3214)	2330	2444	4747	7640	1661.3	1964.7	37.33	38.23	49.09	31.99
Wearing apparel (322)	1858	2193	3228	4346	497.0	867.8	33.52	31.84	57.56	50.46
Tanneries and leather finishing (323)	2416	1775	5840	3771	194.7	269.4	21.97	15.55	41.38	47.06
Fur dressing and dyeing industries (3232)										
Leather goods excl. wearing apparel (3233)	1812	1763	3323	3498	83.1	227.4	41.77	34.36	54.55	50.41
Footwear (3240)	2461	2033	5459	3993	146.7	685.5	42.21	33.64	45.08	50.93
Sawmills, planing & other wood mills (331)	2602	2671	4876	6702	44.7	895.7	30.56	30.02	53.36	39.86
Wooden and cane containers (3312)	1651	1763	3625	2190	88.4	67.8	38.96	23.26	45.56	80.52
Other wood and cork products (3319)	1980	1694	4749	3728	247.8	213.0	30.66	28.24	41.70	45.45
Furniture and fixtures excl. metal (3320)	2030	2118	4466	4729	124.1	204.6	38.77	25.23	53.51	44.80
Pulp, paper and paperboard (341)	3671	5097	8659	15831	629.7	3693.9	38.31	37.79	35.47	32.19
Containers of paper and paperboard (3412)	2958	3096	8873	10854	645.3	1157.8	34.07	31.31	33.33	28.53
Other pulp, paper and paperboard articles (3419)	2242	2554	6659	9655	376.9	703.7	33.93	28.70	33.67	26.45
Printing and publishing (3420)	4140	4400	9531	12029	779.8	1103.1	52.02	47.97	43.44	36.57
Basic chemicals excl. fertilizers (351)	8470	7582	176223	115681	13754.0	12512.4	52.22	49.68	4.81	6.55
Fertilizers and pesticides (3512)	5957	8349	17486	36308	1498.8	2610.9	16.06	26.02	24.07	23.00
Synthetic resins and plastic materials (3513)	3970	4788	13981	22587	752.8	2062.3	23.12	20.85	28.40	21.20
Paints, varnishes and lacquers (3521)	5907	5935	21130	25840	1267.8	1818.4	36.67	29.06	27.95	12.97
Drugs and medicines (3522)	3826	4155	12404	13546	827.0	1026.2	44.73	42.31	30.84	30.65
Soap, cleaning preps., perfumes, cosmetics (3523)	5657	6425	28302	34459	2830.2	3701.1	47.64	41.34	19.99	18.65
Other chemical products (3529)	2992	3409	8055	9782	504.9	788.9	32.48	28.31	37.14	34.85

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

TABLE 2.18  
(continued)

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

Industry (ISIC code)	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	
	1985	1990	1985	1990	1985	1990	1985	1990	1985	1990
Petroleum refineries (3530)	10558	14049	97376	180917	13632.7	18091.7	8.35	11.52	10.84	7.77
Products of petroleum and coal (3540)	3442	3586	19258	32312	847.4	1196.7	38.48	39.19	17.87	11.10
Tyres and tubes (3551)	4808	5514	14942	20761	1591.7	2457.4	43.32	44.68	32.18	26.66
Other rubber products (3559)	2389	3223	7659	7649	972.1	1278.0	18.94	24.22	31.19	30.37
Plastic products (3560)	2178	2244	6052	7293	375.5	831.5	36.66	34.65	35.99	30.77
Pottery, china and earthenware (3610)	2259	2057	5568	5082	640.4	975.2	52.39	51.69	40.57	40.47
Glass (3620)	4885	4775	9998	20190	1437.3	2795.5	36.96	49.30	48.86	23.65
Structural clay products (3691)	2353	2568	5981	8250	306.7	577.0	55.35	54.86	39.33	31.13
Cement, lime and plaster (3692)	5615	6158	40262	55075	6710.4	6751.2	46.47	51.26	13.95	11.18
Other non-metallic mineral products (3699)	3379	3855	10976	14003	600.6	908.8	42.37	37.85	30.79	27.53
Iron and steel (3710)	4092	4380	14426	20951	1204.1	2260.1	24.62	19.58	28.36	20.90
Non-ferrous metals (3720)	4495	3820	11147	13109	1727.7	2247.2	6.38	13.68	40.33	29.14
Cutlery, hand tools and general hardware (38)	2752	1996	5504	5545	122.3	231.1	45.81	42.13	50.00	36.00
Furniture and fixtures primarily of metal (3812)	2593	3081	6696	6848	334.8	449.4	38.33	30.92	38.72	44.99
Structural metal products (3813)	2704	4123	5340	11526	160.3	471.8	37.71	30.63	46.31	35.77
Other metal products (3819)	3333	3032	8160	9499	436.4	832.7	28.87	24.45	40.85	31.92
Engines and turbines (3821)	4027	18485	8458	20703	141.0	103.5	52.50	70.00	47.62	89.29
Agricultural machinery and equipment (3822)	3661	4038	4723	9840	225.9	673.2	22.63	40.33	77.52	41.04
Metal and wood working machinery (3823)	2819	2680	3395	5684	91.4	239.3	49.17	45.56	83.05	47.15
Other special industrial machinery (3824)	2819	3626	4934	6498	168.0	433.2	40.75	27.95	57.14	55.80
Office, computing, other non-electr. machinery (3825A)	3662	3569	8574	14349	41582.8	24172.7	34.47	31.83	42.71	24.87
Electrical industrial machinery (3831)	5070	2237	11632	7080	659.1	1381.4	40.44	30.49	43.58	31.59
Radio, television & communication equipm. (3832)	3135	2813	8719	8805	5970.5	6495.6	31.36	20.77	35.96	31.95
Electrical appliances and housewares (3833)	3794	4965	7758	19488	818.9	2923.3	24.08	29.42	48.91	25.47
Other electrical apparatus and supplies (3839)	4183	2934	12355	11977	1094.3	1833.1	29.12	27.07	33.86	24.50
Shipbuilding (3841)	4792	4616	8926	6158	729.0	331.6	40.60	21.50	53.68	74.96
Railroad equipment (3842)										
Motor vehicles (3843)	4445	3727	12814	24961	1258.3	3363.3	37.84	31.16	34.69	14.93
Cycles, aircraft & other transport equipm. (3844C)	2734	3120	8433	13257	647.2	1542.2	27.49	23.07	32.42	23.53
Prof. and scientific equipment n.e.c. (3851)	2581	3062	6389	10444	2342.6	4177.6	51.63	49.02	40.40	29.31
Photographic and optical goods (3852)	1921	1990	5050	3925	1312.9	2049.8	22.15	13.37	38.04	50.70
Watches and clocks (3853)	1977	2411	4430	6732	3248.8	5011.5	41.30	35.05	44.63	35.82
Jewellery and related articles (3901)	2559	2249	4775	17792	195.6	1094.9	34.80	53.45	54.22	12.64
Musical instruments, sporting goods (3902A)	1932	1523	3061	5087	1530.4	12717.7	44.71	46.36	63.16	29.94
Other manufactures (3909)	2193	1998	4839	4264	412.0	553.1	40.59	32.03	45.31	46.86

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

TABLE 2 18

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

Philippines										
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	
	1985	1988	1985	1988	1985	1988	1985	1988	1985	1988
Slaughtering, preparing & preserving meat (3111)	1310	2040	4356	6368	904.9	785.8	19.96	22.41	30.07	32.04
Dairy products (3112)	2209	4169	11383	19029	2705.5	2208.1	29.90	35.09	19.41	21.91
Canning, preserving of fruits & vegetables (3113)	1866	2567	7423	7796	1682.1	1734.2	38.88	55.88	25.14	32.92
Canning, preserving and processing of fish (3114)	878	1480	2211	4475	344.5	584.2	17.28	18.52	39.74	33.06
Vegetable and animal oils and fats (3115)	2074	1814	16747	18042	2341.4	1677.6	23.88	17.85	12.39	10.05
Grain mill products (3116)	907	1190	4395	9916	151.1	182.5	11.78	23.02	20.63	12.60
Bakery products (3117)	528	801	2067	1943	52.3	32.7	30.55	33.10	25.54	41.20
Sugar factories and refineries (3118)	1134	2001	3748	9617	2405.6	4785.2	23.95	39.73	30.26	20.81
Cocoa, chocolate and sugar confectionery (3119)	1471	1724	2932	4667	258.6	231.5	13.69	31.10	50.34	36.95
Other food products (3121)	1096	1801	5294	7383	901.5	819.5	37.96	34.61	20.70	24.39
Prepared animal feeds (3122)	1477	1726	7569	13449	920.0	1062.6	17.04	31.01	19.52	12.84
Distilling, rectifying & blending spirits (3131)	1073	1237	9829	6760	1285.0	779.1	42.56	32.74	10.92	18.30
Wine industries (3132)	505	796	879	1968	14.5	32.6	20.06	24.54	57.41	40.45
Malt liquors and malt (3133)	1766	4254	41936	93563	61227.0	74088.2	68.62	77.63	4.21	4.55
Non-alcoholic beverages (3134)	1720	2736	7488	9650	3364.9	4610.7	45.40	44.65	22.97	28.36
Tobacco (3140)	1315	1695	14089	28135	8020.1	12613.5	29.46	52.58	9.33	6.02
Spinning, weaving & finishing textiles (3211)	946	1392	1767	3505	644.0	1113.2	17.67	30.70	53.53	39.72
Made up textile goods excl. wearing apparel (3212)	684	977	2844	2206	440.0	255.3	33.95	24.87	24.06	44.27
Knitting mills (3213)	959	1431	1241	2977	160.9	367.5	22.74	35.20	77.28	48.07
Carpets and rugs (3214)	1276	1218	1405	2938	203.5	125.9	31.44	46.71	90.85	41.46
Cordage, rope and twine (3215)	875	1130	1693	2415	107.3	99.9	23.53	28.83	51.67	46.82
Other textiles (3219)	902	1397	1652	2619	116.0	133.4	20.01	44.24	54.57	53.35
Wearing apparel (3220)	1043	1366	1227	2626	254.3	236.7	40.39	51.07	85.06	52.02
Fur, furs and leather finishing (3231)	708	754	1173	1684	66.7	47.3	28.92	39.61	60.37	44.77
Knit, pressing and dyeing industries (3232)										
Leather goods excl. wearing apparel (3233)	763	1182	1441	2043	52.3	101.2	30.14	39.15	52.92	57.83
Footwear (3240)	797	733	1063	1376	70.0	27.3	31.44	39.52	75.00	53.28
Sawmills, planing & other wood mills (3311)	972	1417	1927	3369	466.5	453.9	29.66	35.51	50.43	42.07
Wooden and cane containers (3312)	476	1022	1018	3594	18.3	97.5	19.19	25.86	46.95	28.44
Other wood and cork products (3319)	657	808	1338	1608	45.6	46.7	27.01	32.73	49.12	50.24
Furniture and fixtures excl. metal (3320)	760	984	1141	1946	81.0	116.4	35.25	43.04	66.59	50.55
Pulp, paper and paperboard (3411)	1188	2447	12136	18637	2122.4	3627.5	36.01	43.82	9.79	13.13
Containers of paper and paperboard (3412)	1335	1837	10810	5593	738.4	384.3	48.98	22.63	12.35	32.84
Other pulp, paper and paperboard articles (3419)	1739	1726	3293	1735	321.6	155.4	12.76	18.26	52.82	53.00
Printing and publishing (3420)	1173	1672	3221	4030	129.2	125.4	35.09	40.37	36.43	41.49
Basic chemicals excl. fertilizers (3511)	1799	2864	7480	17499	606.5	1165.1	20.72	31.44	24.05	16.36
Fertilizers and pesticides (3512)	1817	3297	18543	31214	4192.0	4720.6	30.78	40.69	9.80	10.56
Synthetic resins and plastic materials (3513)	1931	2941	7506	22802	670.4	2567.3	21.16	42.06	25.74	12.90
Paints, varnishes and lacquers (3521)	1568	2055	5106	9604	350.1	688.7	15.43	23.85	30.70	21.40
Drugs and medicines (3522)	3014	4876	10852	20802	1973.0	2974.2	36.82	46.64	27.78	23.44
Soap, cleaning preps., perfumes, cosmetics (3523)	3426	5112	6214	24846	745.7	2860.6	11.23	33.53	55.14	20.57

TABLE 2 18  
(continued)

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

Industry (SIC code)	Philippines									
	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	
	1985	1988	1985	1988	1985	1988	1985	1988	1985	1988
Other chemical products (3529)	1991	2508	7329	16063	454.2	900.6	28.99	49.22	27.17	50.61
Petroleum refineries (3530)	5631	8966	311080	157465	178870.9	95699.4	27.59	18.15	1.81	5.69
Products of petroleum and coal (3540)	341	2036	6315	11912	315.7	411.0	21.17	27.07	14.89	17.69
Tyres and tubes (3551)	2098	3988	3865	15559	373.2	1634.7	19.23	37.41	54.27	25.51
Other rubber products (3559)	1060	1448	1382	2602	284.8	451.0	25.20	36.60	76.66	55.63
Plastic products (3560)	1050	1496	3042	6081	205.4	355.7	22.77	33.61	34.50	24.66
Pottery, china and earthenware (3610)	1171	1824	3301	4387	440.2	371.9	45.74	58.91	35.47	41.58
Glass (3620)	1960	3609	5469	14662	1033.1	2413.7	28.22	59.16	35.84	24.63
Structural clay products (3691)	1139	1845	2470	7803	342.6	555.6	32.04	57.25	46.12	23.64
Cement, lime and plaster (3692)	1716	1993	7414	10738	2716.6	463.3	25.86	34.82	23.15	18.56
Other non-metallic mineral products (3699)	919	1295	2105	3995	81.6	182.4	31.30	51.75	43.67	32.47
Iron and steel (3710)	1422	2272	10931	15647	1561.6	1909.3	31.99	25.88	13.01	14.52
Non-ferrous metals (3720)	1515	2629	8355	55151	810.9	4103.2	9.38	25.38	18.13	4.77
Cutlery, hand tools and general hardware (3811)	1544	1792	1787	6544	55.1	129.5	25.52	65.42	86.39	27.38
Furniture and fixtures primarily of metal (3812)	789	1131	1460	2172	37.0	20.0	35.32	41.12	54.03	51.09
Structural metal products (3813)	1608	570	2122	3011	88.8	300.4	20.94	39.28	75.81	28.88
Other metal products (3819)	1125	1603	3857	4576	1679.2	322.1	23.96	29.16	29.17	35.63
Engines and turbines (3821)	790	1267	2090	1822	71.0	53.8	24.68	75.68	37.82	69.55
Agricultural machinery and equipment (3822)	864	1050	1823	2533	51.1	57.4	46.34	40.96	47.37	41.45
Metal and wood working machinery (3823)	1008	1300	1871	3575	67.3	143.0	35.17	54.36	53.84	36.35
Other special industrial machinery (3824)	1332	2023	2480	5250	91.4	125.1	25.24	46.20	53.70	38.53
Office, computing & accounting machinery (3825)	1969	2301	3233	3368	204.1	157.6	19.79	17.62	60.89	68.21
Other non-electrical machinery & equipment (3829)	1107	1444	2287	2521	95.2	83.9	36.06	31.13	48.41	57.28
Electrical industrial machinery (3831)	1372	2556	1573	5755	139.7	448.1	15.30	37.26	87.25	44.42
Radio, television & communication equipment (3832)	1767	2625	4065	6419	2026.5	2996.7	25.16	28.63	43.46	46.96
Electrical appliances and housewares (3833)	1193	1924	4851	6900	462.2	780.6	41.58	34.39	24.60	27.86
Other electrical apparatus and supplies (3839)	1465	2114	5364	7470	633.8	1017.9	28.94	30.22	27.32	28.36
Shipbuilding (3841)	1288	1868	2224	3719	252.0	369.7	41.72	50.22	57.93	50.73
Rail road equipment (3842)										
Motor vehicles (3843)	1304	2109	3125	10790	184.4	525.1	20.05	23.70	41.73	19.54
Motorcycles and bicycles (3844)	1093	1582	2888	17489	265.7	943.2	31.25	46.56	37.86	9.04
Aircraft (3845)	1935	2386	6951	11676	1042.6	788.1	48.38	61.66	27.84	20.43
Other transport equipment (3849)	548	711	2539	1707	53.3	17.1	49.13	36.00	21.57	41.67
Prof. and scientific equipment n.e.c. (3851)	1097	1483	4939	9721	232.8	936.4	27.82	43.45	22.22	15.26
Photographic and optical goods (3852)	725	1715	810	5180	106.1	1976.3	17.71	51.49	89.44	32.11
Watches and clocks (3853)	955	1626	995	2393	1088.2	2378.2	34.67	77.37	95.97	67.96
Jewellery and related articles (3901)	873	1175	1008	1859	73.3	66.7	48.39	64.09	86.67	63.22
Musical instruments (3902)	831	1422	879	1901	107.5	175.7	51.43	64.97	94.44	74.79
Sporting and athletic goods (3903)	1254	1627	1881	4855	112.9	508.3	19.27	32.88	66.67	33.51
Other manufactures (3909)	958	1171	1916	2338	220.7	138.2	51.34	50.02	50.00	50.00

TABLE 2.18

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

Industry (ISIC code)	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	
	1985	1990	1985	1990	1985	1990	1985	1990	1985	1990
Slaughtering, preparing & preserving meat (3111)	5909	8951	12317	25658	598.8	1190.5	41.93	62.13	48.46	34.89
Dairy products (3112)	8741	11520	18600	49421	1913.5	7370.0	28.72	29.51	47.00	23.31
Canning, preserving of fruits & vegetables (3113)	4921	9774	13399	26020	292.1	676.5	31.60	42.23	36.73	37.56
Canning, preserving and processing of fish (3114)	3290	8301	7741	13726	159.8	508.6	21.52	18.80	42.50	60.48
Vegetable and animal oils and fats (3115)	9086	12538	37789	33492	1660.4	2718.4	9.63	14.86	24.04	37.44
Grain mill products (3116)										
Bakery products (3117)	5154	8908	11586	22736	241.9	620.3	41.84	45.57	44.48	39.18
Sugar factories and refineries (3118)										
Cocoa, chocolate and sugar confectionery (3119)	10063	13137	20114	46361	2031.5	6390.1	15.37	36.15	50.03	28.34
Other food products (3121)	8103	11281	21479	30876	703.3	1007.1	15.21	27.98	37.72	36.54
Prepared animal feeds (3122)	10972	15433	23969	23936	1202.5	897.6	24.87	17.20	45.77	64.47
Distilling, blending spirits, malt liquors (3131B)	10033	13330	56667	95335	7593.4	14490.9	66.23	69.30	17.71	13.98
Wine industries (3132)										
Non-alcoholic beverages (3134)	8311	14894	23662	39596	4209.1	7378.1	43.10	37.49	35.12	37.61
Tobacco (3140)	12563	19198	46961	87691	8828.6	12802.9	41.24	40.35	26.75	21.89
Spinning, weaving & finishing textiles (3211)	5596	8581	10177	20854	645.6	1545.5	31.53	36.91	54.99	41.16
Made up textile goods excl. wearing apparel (3212)	6298	9082	11490	20508	339.0	721.2	38.36	38.39	54.81	44.29
Knitting mills (3213)	5787	9787	10207	22175	351.5	844.9	30.90	24.99	56.69	44.14
Carpets and rugs (3214)										
Cordage, rope and twine (3215)										
Other textiles (3219)										
Wearing apparel (3220)	4214	6441	6408	10703	424.6	794.3	33.38	30.80	65.76	60.16
Tanneries and leather finishing (3231)										
Hat dressing and dyeing industries (3232)										
Leather goods excl. wearing apparel (3233)	5058	8509	8338	16548	185.8	643.4	31.90	36.18	60.66	51.42
Footwear (3240)	3944	6464	6813	11969	112.2	283.1	35.51	32.61	57.89	54.01
Sawmills, planing & other wood mills (3311)	5699	9723	10973	21569	542.9	807.4	27.68	27.63	51.94	45.08
Wooden and cane containers (3312)	3695	7526	7655	20950	130.9	531.6	30.98	29.99	48.26	35.92
Other wood and cork products (3319)	4030	9937	10025	21802	149.9	322.7	28.44	30.81	40.19	45.55
Furniture and fixtures excl. metal (3320)	4857	8389	8782	13918	420.9	633.5	36.95	31.36	55.31	60.27
Pulp, paper and paperboard (3411)										
Containers of paper and paperboard (3412)	7610	12324	29579	46565	1378.1	2318.5	49.13	43.91	25.73	26.47
Other pulp, paper and paperboard articles (3419)	6485	10781	13343	30438	437.4	1514.8	36.82	37.00	48.60	35.41
Printing and publishing (3420)	8245	13238	18083	32865	772.0	1573.0	56.30	53.51	45.60	40.18
Basic chemicals excl. fertilizers (3511)	11370	21373	27230	60468	1142.7	3320.7	34.68	42.68	41.75	35.35
Fertilizers and pesticides (3512)										
Synthetic resins and plastic materials (3513)	15056	23647	55221	167735	4159.3	11320.1	17.75	31.85	27.26	14.10
Paints, varnishes and lacquers (3521)	11409	16037	25344	41962	1400.3	2961.6	37.32	31.47	45.02	38.20
Drugs and medicines (3522)	10258	16204	115513	268187	10562.2	23487.5	73.36	79.26	8.88	6.04
Soap, cleaning preparations, perfumes, cosmetics (3523)	8521	14008	20171	32910	885.8	1350.6	48.79	51.01	42.25	42.56

a. The following ISIC combinations are reported:  
 3118 = 3111 + 3115  
 353A = 3530 + 3540  
 361A = 3610 + 3620

TABLE 2.18  
continued

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

Singapore										
Industry (ISIC code) <sup>a</sup>	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	
	1985	1990	1985	1990	1985	1990	1985	1990	1985	1990
Other chemical products (3529)	12288	20482	48480	57484	1606.1	2156.6	36.79	37.54	26.35	35.63
Petroleum refineries & other petr. products (353A)	20109	34190	113666	278596	33095.6	61123.8	7.92	14.63	17.69	12.27
Tyres and tubes (3551)										
Other rubber products (3559)	7272	11059	12306	22298	546.6	1158.8	18.23	26.31	69.09	49.60
Plastic products (3560)	5566	9234	12172	21996	463.4	1114.7	38.22	36.76	45.73	41.98
Pottery, china, earthenware, glass (361A)	7855	12674	14591	42230	414.6	4186.0	37.10	41.74	53.84	30.01
Structural clay products (3691)	7702	11258	20726	29015	1137.9	1264.2	53.45	52.56	37.16	38.80
Cement, lime and plaster (3692)	10126	17636	28336	93107	2583.3	7746.5	20.70	30.17	35.73	18.94
Other non-metallic mineral products (3699)	7652	10342	19800	27962	1380.7	1905.6	36.40	30.56	38.65	36.99
Iron and steel (3710)	11755	15570	32143	56136	3218.5	6920.8	31.54	30.19	36.67	27.74
Non-ferrous metals (3720)	8135	14302	25241	49916	969.2	1932.5	16.07	34.07	32.23	28.65
Cutlery, hand tools and general hardware (3811)	6840	10219	21188	39914	1053.6	3896.6	54.90	53.73	32.21	25.60
Furniture and fixtures primarily of metal (3812)	6120	10606	10239	21977	248.2	457.5	39.90	37.03	69.77	48.26
Structural metal products (3813)	7314	10884	14300	23147	402.5	656.9	27.06	26.62	61.16	47.02
Other metal products (3819)	7327	10956	16004	25916	940.7	1944.5	41.65	35.86	46.78	42.27
Engines and turbines (3821)										
Agricultural machinery and equipment (3822)										
Metal and wood working machinery (3823)	8300	11355	12457	21973	393.6	1037.8	64.46	48.06	66.63	51.68
Other special industrial machinery (3824)	12741	16174	32387	33783	2549.1	3428.7	62.27	34.82	39.34	47.88
Office, computing & accounting machinery (3825)										
Other non-electrical machinery & equipment (3829)	8231	12236	14990	30327	805.6	1671.1	40.48	36.07	64.91	40.36
Electrical industrial machinery (3831)	6579	8749	13600	19400	1376.6	2875.8	42.06	36.99	48.38	45.10
Radio, television & communication equipm. (3832)	6619	9702	19746	34652	6355.4	17464.9	31.53	27.68	33.52	28.00
Electrical appliances and housewares (3833)	6539	7990	14449	19525	10217.9	12310.6	29.63	31.56	45.26	40.92
Other electrical apparatus and supplies (3839)	7569	10167	13993	25622	1667.1	3608.1	42.32	37.96	54.09	39.68
Shipbuilding (3841)	9125	12706	13687	32133	1262.8	3608.5	45.84	40.69	66.67	39.54
Railroad equipment (3842)										
Motor vehicles (3843)	7419	12051	14385	23580	967.0	1858.9	62.48	33.52	61.58	51.11
Motorcycles and bicycles (3844)										
Aircraft (3845)	10943	15848	56447	40706	12537.6	8886.4	78.69	53.17	19.39	38.93
Other transport equipment (3849)	7732	11385	15283	50790	899.8	3716.1	42.24	34.64	60.69	22.42
Prof. and scientific equipment n.e.c. (3851)	5483	10698	22528	28705	2543.1	3389.6	65.68	46.74	24.23	37.27
Photographic and optical goods (3852)	6841	10015	14822	18692	1730.8	2849.2	62.08	58.82	46.16	53.58
Watches and clocks (3853)	6440	10925	13496	19965	2060.8	5856.5	49.02	36.72	47.72	54.72
Jewellery and related articles (3901)	5989	9106	9437	16746	256.8	407.0	16.81	11.81	63.46	54.38
Musical instruments (3902)										
Sporting and athletic goods (3903)										
Other manufactures (3909)	5540	9894	12345	22167	525.5	1065.3	36.55	32.94	44.87	44.63

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

TABLE 2 19

## DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Industry (ISIC)	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 supply	
	1981	1989	1981	1989	1981	1989	1981	1989	1981	1989	1981	1989
Slaughtering, preparing & preserving meat (3111)		121.6		36.3		2.5		47.6		5.4		13.7
Dairy products (3112)	69.5	81.3	30.6	21.0	0.7	0.4	0.1	2.9	0.1	2.8	30.5	18.2
Canning, preserving of fruits & vegetables (3113)	26.4		84.3		42.1		40.4		33.2		65.5	14.0
Canning, preserving and processing of fish (3114)		116.3		0.3		0.1		14.3		3.6		19.9
Vegetable and animal oils and fats (3115)	131.7	133.8	48.8	35.8	44.0	29.9	61.1	52.0	20.0	8.4	17.6	19.9
Grain mill products (3116)	110.6	156.1	64.6	20.3	36.4	18.0	68.0	48.9	12.6	15.5	6.0	11.5
Bakery products (3117)	96.7	105.1	3.7	1.9	2.2	1.2	0.5	6.6	0.5	3.5	3.3	4.8
Sugar factories and refineries (3118)	54.5	89.2	47.1	13.1	45.4	12.8	3.0	2.6	0.6	0.5	44.7	1.4
Cocoa, chocolate and sugar confectionery (3119)	151.9	142.1	21.0	4.9	8.0	1.4	48.0	33.1	47.2	11.8	39.9	21.6
Other food products (3121)		155.2		10.8		1.4		42.5		10.7		17.3
Prepared animal feeds (3122)	99.0	87.3	1.1	14.9	0.9	3.1	-	2.6	-	1.2	1.6	11.4
Spinning, weaving & finishing textiles (3211)	90.5	112.3	11.8	12.1	4.3	5.3	2.5	21.7	1.2	9.9	9.3	19.9
Made-up textile goods excl. wearing apparel (3212)	60.4		40.6		31.9		1.7		0.5		39.2	6.0
Knitting mills (3213)	95.8	93.7	6.0	10.4	1.2	3.2	1.9	4.4	1.4	2.6	4.1	6.0
Carpets and rugs (3214)	57.5	119.8	52.0	17.1	11.9	2.8	16.5	30.8	0.7	11.5	18.6	14.1
Cordage, rope and twine (3215)	20.6		80.1		55.9	66.0	3.2		0.6	84.8	78.9	19.0
Other textiles (3219)	24.7	38.0	76.6	69.0	8.3	18.8	5.2	18.6	4.6	15.5	74.4	52.9
Tanneries and leather finishing (3231)	121.9	219.3	1.0		0.4		18.8		6.9		17.8	25.6
Fur dressing and dyeing industries (3232)	-		100.0		8.0						150.9	
Leather goods excl. wearing apparel (3233)	3.1										68.0	
Footwear (3240)	147.5		11.9		1.8		40.2		35.9		29.8	
Sawmills, planing & other wood mills (3311)	212.7		0.3		0.2		53.1		25.4		52.9	
Wooden and cane containers (3312)	281.4		46.0		15.6		80.8		9.0		55.4	
Other wood and cork products (3319)	100.7	107.9	16.9	3.1	4.3	0.4	17.5	24.2	0.7	3.0	0.6	21.3
Furniture and fixtures excl. metal (3320)	64.5		42.5		16.3		10.9		2.6		32.1	
Pulp, paper and paperboard (3411)	36.0	51.2	64.1	37.9	5.1	2.0	0.3	23.6	0.3	20.3	64.0	11.6
Containers of paper and paperboard (3412)	94.1	73.6	6.0	27.7	2.5	8.7	0.1	1.9	-	0.6	5.9	26.1
Other pulp, paper and paperboard articles (3419)	39.2		60.8	46.4	8.0	10.5	-	2.7	-	1.6	60.8	44.1
Printing and publishing (3420)	91.2	97.5	8.9	8.3	2.1	2.5	0.2	6.1	0.1	4.4	6.8	1.3
Basic chemicals excl. fertilizers (3511)	3.4	19.5	95.4	67.2	19.0	20.1	15.9	34.4	10.5	15.7	68.1	19.5
Fertilizers and pesticides (3512)	73.1	105.9	30.4	15.4	9.7	7.3	0.7	20.1	0.7	17.5	29.2	4.5
Synthetic resins and plastic materials (3513)	7.6	1.4	99.2		10.5		2.4		2.2		99.1	11.4
Paints, varnishes and lacquers (3521)	71.8	80.9	32.4	19.5	3.2	4.9	0.2	0.5	0.2	0.4	22.2	19.0
Drugs and medicines (3522)	80.5	87.0	21.9	15.7	2.7	2.6	3.0	3.1	1.8	1.4	19.0	12.7
Soap, cleaning preps., perfumes, cosmetics (3523)	93.5	115.3	7.0	11.2	1.1	2.0	0.5	23.0	0.3	17.5	16.5	12.1
Other chemical products (3529)	42.1	70.1	65.9	35.5	7.7	7.6	19.0	8.0	3.7	1.6	52.8	26.1
Tyres and tubes (3551)	90.1	122.5	10.1	3.5	2.4	0.7	0.2	19.9	0.2	12.4	19.9	16.5
Other rubber products (3559)	94.8	97.6	5.3	6.3	1.1	1.4		4.0		3.2	5.2	11.3



TABLE 2.19  
continued

DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Industry	Percentage				Percentage ratio of				Exports to		Net exports to total supply
	Output to apparent consumption		Imports to apparent consumption		Imports from developing countries to apparent consumption		Exports to output		developing countries to output		
	1981	1989	1981	1989	1981	1989	1981	1989	1981	1989	
Plastic products 3800	63.3	102.2	17.1	7.2	3.2	1.9	0.5	9.2	0.1	1.8	16.6
Textiles, yarn and fiberware 3810	68.2	106.0	32.0	16.6	3.3	2.8	0.4	21.3	0.4	3.3	31.7
Waxes 3811	71.7	111.4	29.7	32.3	5.8	7.4	1.9	39.2	1.7	17.2	27.9
Chemical products 3812	18.4	35.0	81.7	69.5	2.9	6.1	0.7	13.1	0.7	8.1	61.5
Cement, lime and plaster 3821	92.0	129.6	13.2	1.0	7.3	0.7	5.7	23.8	5.6	19.7	12.6
Other non-metallic mineral products 3839	66.9	88.7	32.1	23.0	3.1	6.6	1.4	13.2	1.4	7.7	30.9
Iron, steel and general hardware 3841	47.4	44.2	53.2	57.9	11.5	16.9	1.2	4.7	1.1	2.1	52.3
Nonferrous metal products, primary or metal 3842	69.6	151.6	35.0	33.4	6.7	2.6	6.5	56.1	5.1	10.0	29.1
Other metal products 3843	55.2	91.2	49.2	10.2	3.0	2.2	8.0	1.6	7.5	0.4	42.9
Other metal products 3844	37.6	70.8	62.5	45.0	7.0	15.0	0.4	22.3	0.3	5.3	62.3
Electrical, industrial machinery 3851	52.1	71.3	48.0	29.4	2.6	6.6	0.2	0.9	0.2	0.3	47.9
Building 3841	22.7	19.2	78.4	82.4	3.1	6.1	4.4	8.2	4.2	8.1	76.6
Transport equipment 3842	25.6	55.2	100.0	45.5	1.6	1.8	0.3	1.2	0.3	0.8	106.0
Machinery 3843	85.7	86.0	74.4	15.7	1.8	1.1	0.3	2.0	0.3	0.9	74.3
Machinery and electrical 3844	85.7	86.0	14.3	15.7	1.8	1.1	0.3	2.0	0.3	0.9	14.2
Other transport equipment 3849	98.3	99.8	1.7	0.2	0.3	0.2	0.3	0.2	0.3	0.2	1.7
Chemicals and related articles 3901	35.4	85.3	85.3	54.3	34.3	2.1	58.6	27.5	3.6	19.9	52.4
Musical instruments 3902	40.1	63.1	80.2	87.9	6.1	9.6	0.8	69.5	0.7	5.5	59.7
Printing and athletic goods 3903	36.7	39.7	64.4	87.9	15.4	9.6	3.2	34.2	1.7	5.5	62.5
Other manufactures 3909	48.7	100.7	57.3	33.7	14.8	13.6	12.4	34.2	4.1	14.9	46.4

TABLE 2.19

## DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Industry (ISIC)	Malaysia											
	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	1988	1981	1988	1981	1988	1981	1988	1981	1988	1981	1988
Slaughtering, preparing & preserving meat (3111)	24.1	43.4	80.0	65.5	20.5	33.6	17.0	20.6	13.6	15.2	-73.0	-52.0
Dairy products (3112)	66.3	68.2	37.3	36.8	0.2	0.1	5.4	7.3	5.4	7.0	-32.5	-30.3
Canning, preserving of fruits & vegetables (3113)	80.0	88.6	45.9	51.7	12.0	23.9	32.4	46.5	15.9	25.1	-15.9	-8.1
Canning, preserving and processing of fish (3114)	136.6	130.6	39.4	35.7	11.8	30.5	55.6	60.8	5.3	3.5	20.8	18.4
Vegetable and animal oils and fats (3115)	303.7	237.6	6.4	10.9	5.4	9.1	69.2	62.6	40.8	41.4	65.7	55.4
Grain mill products (3116)	68.6	72.2	33.7	31.5	31.9	28.6	3.3	5.1	2.4	4.8	-30.8	-26.6
Bakery products (3117)	94.2	102.7	9.1	6.9	6.1	4.7	3.5	9.4	3.2	8.8	-5.6	2.5
Sugar factories and refineries (3118)	62.6	68.4	43.8	39.1	20.0	10.4	10.3	11.0	10.1	9.8	-35.1	-29.4
Cocoa, chocolate and sugar confectionery (3119)	123.7	217.6	23.0	11.7	3.5	4.0	37.8	59.4	13.5	14.0	16.2	51.3
Other food products (3121)	81.4	83.2	32.6	46.6	9.3	12.4	17.2	35.8	13.5	24.9	-16.3	12.9
Prepared animal feeds (3122)	94.4	95.7	6.5	5.4	4.8	2.3	1.0	1.1	0.7	1.0	-5.5	-4.3
Spinning, weaving & finishing textiles (3211)	84.8	76.8	40.1	63.2	20.0	32.1	29.4	52.1	12.2	17.0	-12.2	-16.6
Made-up textile goods excl. wearing apparel (3212)	64.1	92.1	50.2	68.4	28.5	35.0	22.4	65.7	14.6	18.9	-31.4	-4.9
Knitting mills (3213)	85.9	70.9	22.7	42.8	9.1	15.3	10.0	19.4	1.3	13.7	-13.0	25.6
Wearing apparel (3220)	186.5	-	27.2	-	22.0	-	61.0	-	3.6	-	40.5	-
Tanneries and leather finishing (3231)	77.0	74.0	23.7	59.1	11.5	48.1	0.8	44.7	0.8	20.9	-22.9	-19.6
Fur dressing and dyeing industries (3232)	-	-	100.0	-	-	-	-	-	-	-	-100.0	-58.1
Leather goods excl. wearing apparel (3233)	41.5	34.9	62.4	97.7	38.6	50.2	9.4	93.3	5.2	74.3	-56.3	-49.2
Footwear (3240)	143.0	-	26.5	-	14.0	-	48.6	-	15.4	-	25.4	-
Sawmills, planing & other wood mills (3311)	254.2	-	4.9	-	4.5	-	62.6	-	28.9	-	59.5	-
Wooden and cane containers (3312)	105.1	118.7	5.5	24.6	4.4	12.8	10.1	36.5	9.8	19.5	4.6	13.0
Other wood and cork products (3319)	172.5	230.2	22.4	91.7	10.3	37.7	65.0	96.4	6.0	27.5	37.2	40.5
Furniture and fixtures excl. metal (3320)	105.1	141.5	10.3	25.7	3.7	5.8	14.7	47.5	2.6	21.1	4.4	24.8
Pulp, paper and paperboard (3411)	8.9	20.8	92.7	95.6	11.4	23.8	18.1	79.0	17.9	60.5	-89.7	68.0
Containers of paper and paperboard (3412)	99.3	98.9	4.9	7.1	3.0	5.1	4.2	6.1	3.8	5.8	-0.7	1.1
Other pulp, paper and paperboard articles (3419)	83.6	89.5	18.6	23.0	4.3	7.1	2.6	13.9	2.5	12.1	-16.0	-9.3
Printing and publishing (3420)	90.9	90.5	11.1	16.2	4.5	7.2	2.2	7.5	1.9	4.4	-8.9	-8.9
Basic chemicals excl. fertilizers (3511)	21.6	72.5	84.7	43.9	11.0	6.2	29.2	22.6	14.3	6.2	73.7	23.6
Fertilizers and pesticides (3512)	53.0	63.8	49.5	51.2	4.1	15.5	4.7	23.6	4.0	13.7	-45.9	-31.5
Synthetic resins and plastic materials (3513)	17.1	22.5	98.2	90.0	12.4	30.8	89.4	55.4	78.0	50.3	-71.9	-68.9
Paints, varnishes and lacquers (3521)	83.0	79.4	18.8	26.3	5.1	7.4	2.2	7.2	2.2	7.1	-16.7	-19.5
Drugs and medicines (3522)	38.0	35.3	71.1	74.5	17.8	20.8	24.1	27.7	23.1	26.4	-56.8	-59.0
Soap, cleaning preps., perfumes, cosmetics (3523)	72.2	75.4	38.0	42.6	13.6	14.7	14.2	24.0	14.0	22.4	-25.2	-20.8
Other chemical products (3529)	65.7	58.9	39.6	48.8	6.5	11.7	8.1	13.0	5.2	8.2	-32.6	-38.2
Tyres and tubes (3551)	94.5	99.4	8.4	8.0	1.5	2.2	3.1	7.4	2.0	3.3	-5.3	-0.6
Other rubber products (3559)	100.4	103.1	2.7	2.2	0.4	0.4	3.1	5.2	1.1	1.9	0.4	2.9
Plastic products (3560)	96.5	101.5	15.7	32.6	5.4	16.3	12.6	33.6	5.5	13.4	-3.1	1.1

TABLE 2.19  
(continued)

DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Malaysia

Industry (ISIC)	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	1988	1981	1988	1981	1988	1981	1988	1981	1988	1981	1988
Pottery, china and earthenware (3610)	52.0	117.8	60.7	70.1	21.0	19.2	24.4	74.6	19.9	13.5	-42.6	9.4
Glass (3620)	71.1	86.3	40.9	53.2	7.3	12.1	16.8	45.8	15.8	33.5	-25.8	-9.8
Structural clay products (3691)	75.7	94.1	25.1	17.1	2.8	2.3	1.0	11.9	0.8	10.6	-24.2	-5.3
Cement, lime and plaster (3692)	78.4	116.0	21.7	2.9	12.3	2.0	0.1	16.3	0.1	14.9	-21.6	13.5
Other non-metallic mineral products (3699)	90.1	94.9	11.6	14.2	4.1	3.9	1.9	9.6	1.5	5.4	-9.7	-4.7
Iron and steel (3710)	36.9	57.0	64.6	55.8	9.2	13.8	3.9	22.5	3.3	16.8	-62.2	38.1
Non-ferrous metals (3720)		133.0										11.5
Cutlery, hand tools and general hardware (3811)	30.1	13.6	73.9	93.3	17.0	26.3	13.3	50.7	9.2	30.5	-67.2	-80.9
Furniture and fixtures primarily of metal (3812)	75.4	95.5	25.1	50.4	6.4	11.7	0.7	48.1	0.7	24.2	-24.4	-3.1
Structural metal products (3813)	63.4	85.6	41.5	24.8	4.6	9.8	7.7	12.1	7.3	10.5	-34.9	-13.1
Other metal products (3819)	70.6	75.3	35.1	38.8	10.5	13.7	8.2	18.7	5.6	10.3	-27.8	-21.7
Engines and turbines (3821)	10.2	0.8	90.7		2.6		8.9		5.6		-89.0	-79.8
Agricultural machinery and equipment (3822)	51.9	51.7	50.0	51.7	3.5	4.6	3.8	6.6	1.7	3.8	-47.1	-46.7
Metal and wood working machinery (3823)	8.2	3.4	95.5		9.3		45.1		40.2		-88.5	-89.0
Other special industrial machinery (3824)	7.3	3.8	97.4		4.4		64.6		52.3		-88.5	-81.2
Electrical industrial machinery (3831)	22.2	25.2									-56.8	-36.4
Radio, television & communication equipm (3832)	94.2	140.3	74.8		13.1		73.3		19.8		-3.5	16.0
Electrical appliances and housewares (3833)	70.4	88.3	35.2	29.2	3.7	6.4	7.9	19.8	7.8	14.3	-28.0	-10.0
Other electrical apparatus and supplies (3839)	54.4	71.4	50.1	46.3	8.1	15.6	8.4	24.8	4.7	16.8	-43.6	-24.3
Shipbuilding (3841)	72.9	34.3	28.5		7.4		1.9		1.8		-26.8	-39.4
Railroad equipment (3842)					39.0						-95.3	-90.7
Motor vehicles (3843)	26.1	50.3	74.8	52.4	1.6	1.7	3.5	6.4	2.9	3.4	-73.3	-48.4
Prof. and scientific equipment n.e.c. (3851)	20.3	27.6	92.8		5.8		64.7		17.6		-70.5	-45.0
Photographic and optical goods (3852)	52.3	49.0	61.3		4.6		26.0		1.5		-42.0	-33.0
Watches and clocks (3853)	21.9	47.3		79.8		19.8		57.3		28.3	-61.5	-41.5
Jewellery and related articles (3901)	54.7		56.2		10.9		20.0		5.2		-40.8	
Other manufactures (3909)	59.6	84.5	60.1	59.4	20.5	21.5	33.0	52.0	12.7	13.0	-33.8	-10.8

TABLE 2.19

## DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Industry (SIC)	Philippines											
	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		1983	
1983	1988	1983	1988	1983	1988	1983	1988	1983	1988	1983		1988
Slaughtering, preparing & preserving meat (3111)	82.4	94.2	18.9	6.4	0.8	0.4	1.6	0.7	0.7	0.3	17.4	5.7
Dairy products (3112)	67.9	66.2	32.7	33.9	0.2	2.0	0.9	0.1	0.7	0.1	31.9	33.8
Canning, preserving of fruits & vegetables (3113)	187.7	154.0	13.9	11.3	1.8	4.1	54.1	42.4	4.4	2.9	43.5	32.6
Canning, preserving and processing of fish (3114)		140.2		1.1		0.3		29.5		2.8		26.4
Vegetable and animal oils and fats (3115)	223.3	203.3	27.5	60.0	18.2	40.9	67.5	80.3	4.0	4.8	49.2	49.2
Grain mill products (3116)	111.5	92.2	1.6	14.0	0.1	0.2	11.8	6.7	4.0	1.5	10.2	7.4
Bakery products (3117)	101.7	102.2	2.0	2.1	1.7	1.5	3.7	4.2	0.9	0.8	1.6	2.1
Sugar factories and refineries (3118)	180.1	109.2	0.1	3.3	-	3.1	44.6	11.5	13.6	0.6	44.4	8.2
Cocoa, chocolate and sugar confectionery (3119)		225.5		10.8		2.7		60.4		11.2		53.1
Other food products (3121)	101.4	99.8	5.8	5.7	0.8	1.1	7.1	5.5	1.9	1.6	1.3	6.2
Prepared animal feeds (3122)	97.3	92.7	3.5	7.7	0.3	1.1	0.8	0.4	-	-	2.7	1.2
Spinning, weaving & finishing textiles (3211)	83.6	79.1	20.0	26.2	9.1	14.6	4.4	6.6	1.4	1.9	15.8	19.9
Made-up textile goods (excl. wearing apparel) (3212)	106.9	111.1	11.2	18.5	0.5	11.8	16.9	26.6	1.1	0.9	5.9	8.6
Knitting mills (3213)	74.7	64.7	26.7	36.8	17.5	9.8	1.8	2.3	0.4	1.1	25.0	34.8
Carpets and rugs (3214)	134.6	118.5	5.7	57.0	0.5	6.9	30.0	80.3	12.3	6.1	24.7	43.0
Cordage, rope and twine (3215)	171.1	131.2	6.0	3.8	0.9	1.3	45.1	26.7	12.1	6.4	40.1	23.1
Other textiles (3219)	61.4	17.6	41.6	83.3	6.3	11.8	4.9	4.9	4.5	1.8	37.4	61.7
Wearing apparel (3220)		249.4		2.6		1.4		61.0		6.7		59.3
Tanning and leather finishing (3231)	58.4	30.3	41.7	71.6	1.7	16.4	0.2	6.5	0.1	3.9	41.6	68.3
Fur dressing and dyeing industries (3232)				100.0		100.0						100.0
Sawmills, planing & other wood mills (3311)	256.3	317.8	0.3	2.7	-	0.4	61.1	69.4	4.7	6.6	60.9	67.9
Furniture and fixtures (excl. metal) (3320)	632.7	441.5	8.9	7.6	1.9	1.6	85.6	79.1	3.7	3.0	83.0	76.3
Pulp, paper and paperboard (3411)	73.5	72.4	30.5	32.3	1.4	2.4	5.5	6.4	0.6	0.6	25.5	26.4
Containers of paper and paperboard (3412)	94.2	93.4	7.3	6.8	1.1	1.6	1.6	0.2	0.4	0.1	5.7	6.6
Other pulp, paper and paperboard articles (3419)	90.2	73.4	10.1	30.9	1.3	7.2	0.4	5.8	0.4	1.5	9.7	25.6
Printing and publishing (3420)	87.2	90.2	13.9	13.6	3.4	3.2	1.2	4.3	0.1	0.4	12.7	9.4
Basic chemicals (excl. fertilizers) (3511)	36.6	40.2	76.4	81.8	9.8	16.7	35.5	54.8	5.0	16.6	66.1	49.0
Fertilizers and pesticides (3512)	64.5	78.3	36.0	39.8	20.3	18.5	0.7	23.1	0.6	22.2	35.4	18.4
Synthetic resins and plastic materials (3513)	30.0	29.6	73.1	77.7	5.6	20.0	10.2	24.7	7.7	17.8	67.9	65.6
Paints, varnishes and lacquers (3521)	92.5	90.8	8.2	9.3	0.5	2.5	0.7	0.2	0.7	0.2	7.4	5.2
Drugs and medicines (3522)	84.3	85.3	17.3	15.3	1.7	2.0	1.9	0.8	1.6	0.6	15.5	14.6
Soap, cleaning preps., perfumes, cosmetics (3523)	97.2	98.5	3.1	3.2	0.3	0.8	0.3	1.7	0.3	1.1	2.8	1.5
Other chemical products (3529)	59.8	69.8	41.2	32.3	3.8	6.0	1.6	2.9	1.2	2.0	39.9	29.6
Tires and tubes (3551)	87.7	92.2	12.6	9.3	1.8	3.0	0.3	1.7	0.3	0.6	12.3	7.6
Other rubber products (3559)	80.8	86.2	23.2	16.6	2.9	2.9	4.9	3.2	2.1	1.2	18.5	13.5
Plastic products (3560)	111.3	103.1	7.7	10.6	2.1	2.7	17.1	13.3	2.9	1.5	9.5	7.7
Pottery, china and earthenware (3610)	96.3	135.6	36.7	17.2	11.4	5.2	33.6	40.3	11.5	9.1	33.6	24.8

TABLE 2.19  
continued

DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Philippines

Industry (SIC)	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	
	1983	1988	1983	1988	1983	1988	1983	1988	1983	1988	1983	1988
Glass (3620)	89.5	85.8	14.5	22.2	2.5	5.9	4.5	9.4	3.5	5.3	10.7	11.7
Structural clay products (3691)	91.4	53.3	27.5	49.0	2.3	7.3	20.7	4.3	19.5	3.0	7.7	49.1
Cement, lime and plaster (3692)	101.3	97.4	1.2	2.7	0.3	2.2	2.5	0.1	2.5	-	1.2	2.7
Other non-metallic mineral products (3699)	90.5	91.4	13.3	20.6	1.3	5.0	4.2	13.2	2.3	2.8	9.1	7.1
Iron and steel (3710)	69.2	66.7	30.1	37.9	8.4	18.6	3.3	6.9	0.6	2.0	3.1	17.8
Non-ferrous metals (3720)	90.1	144.6	-	34.1	-	9.0	-	54.4	-	15.7	4.0	26.0
Cutlery, hand tools and general hardware (3811)	12.2	31.0	95.7	76.4	12.5	22.2	64.7	23.9	17.9	2.3	81.4	64.2
Structural metal products (3813)	34.8	72.9	67.8	44.5	4.6	10.2	7.5	23.9	7.0	19.7	62.6	27.0
Other metal products (3819)	73.9	80.6	27.4	20.8	3.7	5.1	1.8	1.8	1.1	0.8	26.7	19.7
Engines and turbines (3821)	8.4	3.3	91.7	97.2	11.3	6.4	1.7	14.1	0.1	-	91.5	90.1
Agricultural machinery and equipment (3822)	28.8	45.0	71.9	55.9	2.6	2.7	2.5	4.1	2.5	4.0	70.6	50.3
Metal and wood working machinery (3823)	10.4	7.5	90.3	93.9	7.2	8.1	6.7	18.4	3.7	8.7	89.0	91.2
Other special industrial machinery (3824)	3.0	1.5	98.2	-	4.6	-	38.4	-	30.9	-	95.0	90.0
Office, computing & accounting machinery (3825)	2.9	23.5	98.8	98.3	13.0	18.9	60.7	94.0	17.1	46.2	95.4	58.4
Other non-electrical machinery & equipment (3829)	21.4	40.3	81.2	66.2	4.7	9.5	11.8	16.1	3.7	5.2	76.2	58.1
Electrical industrial machinery (3831)	15.1	36.9	97.7	75.7	8.7	13.8	84.8	34.1	27.8	9.7	75.7	56.0
Radio, television & communication equipm. (3832)	90.8	109.0	44.6	55.8	3.7	6.2	39.0	59.5	6.9	18.8	6.0	5.5
Electrical appliances and housewares (3833)	98.0	104.9	2.2	6.4	0.3	2.8	0.1	10.7	0.1	4.3	2.5	4.4
Other electrical apparatus and supplies (3839)	67.3	44.2	36.4	31.8	5.9	3.5	5.6	31.2	1.2	2.2	27.5	10.6
Shipbuilding (3841)	39.5	64.7	61.1	35.9	1.5	6.0	1.5	0.9	0.3	-	60.1	37.1
Railroad equipment (3842)	-	-	100.0	-	9.6	-	-	-	-	-	100.0	-
Motor vehicles (3843)	65.4	54.5	28.0	43.6	0.6	1.9	5.3	5.2	0.9	1.1	33.4	39.3
Motorcycles and bicycles (3844)	75.0	63.4	25.7	36.8	0.1	1.0	1.0	0.3	-	-	24.8	30.5
Aircraft (3845)	42.7	4.3	57.3	95.8	4.0	1.6	-	3.2	-	1.0	57.3	95.8
Other transport equipment (3849)	72.4	27.6	27.6	72.4	2.1	8.1	-	-	-	-	27.6	72.4
Prof. and scientific equipment, etc. (3851)	8.2	18.4	92.0	82.7	10.1	12.8	7.6	6.2	4.0	1.1	90.7	80.6
Photographic and optical goods (3852)	29.6	57.2	-	91.3	-	13.9	-	84.7	-	40.1	33.9	28.6
Watches and clocks (3853)	77.2	65.8	-	35.5	-	6.9	-	2.0	-	1.7	4.0	32.7
Jewellery and related articles (3901)	22.5	71.1	86.2	53.8	2.8	8.9	38.9	35.0	3.0	3.5	71.3	20.1
Musical instruments (3902)	45.9	52.1	57.6	50.4	2.4	3.9	7.6	14.7	6.4	9.1	52.3	25.0
Sporting and athletic goods (3903)	106.4	114.8	54.2	17.4	11.4	6.1	57.0	28.0	31.5	12.7	4.0	11.2

TABLE 2.19

## DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

(Percentage)

Industry (ISIC)	Singapore											
	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	1989	1981	1989	1981	1989	1981	1989	1981	1989	1981	1989
Slaughtering, preparing & preserving meat (3111)	16.6	9.7										
Dairy products (3112)	56.7	62.9	72.4	73.2	11.0	9.7	51.3	57.4	46.9	38.9	-55.6	-60.2
Canning, preserving of fruits & vegetables (3113)	8.7	26.2									-33.5	-27.3
Canning, preserving and processing of fish (3114)	23.5	63.9									-49.4	-46.2
Vegetable and animal oils and fats (3115)	109.4	137.4									-42.3	-20.7
Grain mill products (3116)	80.4										2.5	8.6
Bakery products (3117)	87.5	104.1	37.2	46.5	16.4	25.6	28.3	48.6	24.8	35.6	-7.6	2.7
Sugar factories and refineries (3118)											-10.0	
Cocoa, chocolate and sugar confectionery (3119)	256.3	608.8									-89.5	-68.8
Other food products (3121)	126.7	130.8	38.7	43.1	14.1	18.6	51.6	56.5	27.7	23.7	31.0	56.4
Prepared animal feeds (3122)	124.2	116.6	10.9	39.5	2.9	8.6	28.3	48.1	27.9	44.8	16.1	17.7
Spinning, weaving & finishing textiles (3211)	21.6	17.4									-49.2	-41.7
Made-up textile goods excl. wearing apparel (3212)	36.1	62.0			56.2				66.2		-46.8	-21.5
Knitting mills (3213)	52.3	26.0	57.8		14.9				19.3		-43.4	-49.9
Wearing apparel (3220)	256.6	467.1									41.9	45.4
Tanneries and leather finishing (3231)											-89.3	-50.0
Fur dressing and dyeing industries (3232)					2.4						-98.8	-79.9
Leather goods excl. wearing apparel (3233)	36.4	16.4	86.7	95.2	23.3	24.2	63.4	70.7	47.8	38.8	-51.7	-74.9
Footwear (3240)	46.0	28.1	93.6		20.9		66.0		56.2		-38.7	-55.4
Sawmills, planing & other wood mills (3311)	315.2										35.0	
Wooden and cane containers (3312)	81.4	141.8	24.5	24.3	21.0	17.4	7.2	46.6	3.2	7.9	-17.6	25.2
Other wood and cork products (3319)	86.0	52.1	45.1		29.3	37.3	36.2		18.1	48.3	-7.7	-31.2
Furniture and fixtures excl. metal (3320)	153.3	136.8	52.0	68.6	17.5	27.7	68.7	77.0	22.1	17.3	26.0	17.9
Pulp, paper and paperboard (3411)											-80.6	-60.8
Containers of paper and paperboard (3412)	99.0	100.5	8.2	8.5	3.5	4.3	7.3	8.9	6.7	7.0	-1.0	0.4
Other pulp, paper and paperboard articles (3419)	94.2	69.3	26.7	63.7	4.4	30.5	22.1	47.7	19.1	33.0	-4.8	-23.0
Printing and publishing (3420)	101.9	110.9	25.8	25.0	7.3	6.4	27.1	32.3	16.3	11.8	1.5	8.0
Basic chemicals excl. fertilizers (3511)	28.4	33.5									-42.6	-23.9
Fertilizers and pesticides (3512)											-5.9	
Synthetic resins and plastic materials (3513)	27.7	91.1		68.2		11.8		65.1		53.3	-52.8	-5.6
Paints, varnishes and lacquers (3521)	50.9	87.0	76.0	63.0	3.0	6.6	53.0	57.5	46.4	41.2	-38.7	-8.6
Drugs and medicines (3522)	169.9	98.5		36.3		10.2		35.3		21.6	25.4	-1.1
Soap, cleaning preps., perfumes, cosmetics (3523)	56.0	31.4	94.2		20.0		89.6		82.1		-29.3	-36.9
Other chemical products (3529)	29.8	52.8									-51.7	-16.6
Tyres and tubes (3551)	19.9										-50.9	-29.7
Other rubber products (3559)	89.7	38.5	18.5	78.2	3.7	9.4	9.1	43.3	5.2	26.9	-9.5	-52.7
Plastic products (3560)	103.1	94.7	47.0	53.4	16.6	23.2	48.6	50.8	21.7	21.2	2.1	-3.6

TABLE 2 19  
(continued)

DEMAND-SUPPLY RELATIONSHIPS BY INDUSTRY, ASEAN COUNTRIES, AT CURRENT PRICES, SELECTED YEARS

Percentage

Singapore												
Percentage ratio of												
Industry (ISIC)	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	1989	1981	1989	1981	1989	1981	1989	1981	1989	1981	1989
Structural clay products (3691)	21.6	13.5	97.5		14.6		88.5		88.1		-65.9	74.8
Cement, lime and plaster (3692)	59.6	70.9	46.7	41.8	8.7	18.7	23.4	18.0	22.7	15.6	-26.1	-25.8
Other non-metallic mineral products (3699)	80.2	72.0	26.0	36.3	4.5	8.6	7.8	11.5	6.4	7.9	-18.6	-25.8
Iron and steel (3710)	16.0	18.8									-65.6	-61.5
Non-ferrous metals (3720)		39.5										-12.6
Cutlery, hand tools and general hardware (3811)	16.7	26.3									-56.5	-39.7
Furniture and fixtures primarily of metal (3812)	65.0	56.6	52.9		5.0		27.5		26.5		-29.7	-22.9
Structural metal products (3813)	69.1	86.4	60.5	36.2	6.5	7.7	42.9	26.2	38.7	18.2	-23.8	-11.1
Other metal products (3819)	73.9	86.2	47.1	36.3	10.0	10.3	28.4	26.1	20.4	14.7	-21.6	-11.3
Engines and turbines (3821)	19.5										-49.0	
Agricultural machinery and equipment (3822)											-67.8	-56.1
Metal and wood working machinery (3823)	21.0	42.5									-53.6	-37.1
Other special industrial machinery (3824)	64.9	33.0	75.4		4.8		62.1		49.4		-25.1	-37.2
Office, computing & accounting machinery (3825)											-30.8	
Other non-electrical machinery & equipment (3829)	37.0	60.9									-41.0	-19.0
Electrical industrial machinery (3831)	53.3	39.4									-23.8	-29.4
Radio, television & communication equipm (3832)	108.2	108.1	94.6	66.9	20.9	23.5	95.0	69.4	31.9	20.6	4.0	4.6
Electrical appliances and housewares (3833)	123.7	140.6	42.0	56.9	4.3	19.4	54.9	69.3	18.0	16.0	16.8	20.5
Other electrical apparatus and supplies (3839)	56.9	63.2		94.2		19.2		90.9		51.1	-24.0	-23.3
Shipbuilding (3841)	90.8	81.3	68.9	58.7	8.3	24.0	65.7	49.2	24.9	20.3	-5.8	-13.4
Railroad equipment (3842)						1.8					-69.8	-95.8
Motor vehicles (3843)	8.5	7.7									-61.3	-64.7
Motorcycles and bicycles (3844)											-57.8	
Aircraft (3845)	45.0	28.3									-30.9	-46.5
Other transport equipment (3849)	96.9	98.1	7.3	2.4		0.1	4.3	0.5	4.3	0.5	-3.0	-1.9
Prof. and scientific equipment n.e.c. (3851)	21.8	53.1									-46.0	-21.3
Photographic and optical goods (3852)	36.9	28.1									-26.3	-37.4
Watches and clocks (3853)	34.5	21.7									-41.9	-46.9
Jewellery and related articles (3901)	70.6	149.9	83.3		44.3		76.3		58.2		-19.1	18.0
Other manufactures (3909)	67.1	81.5	75.5	94.8	22.6	32.0	63.5	93.6	25.2	35.5	-23.1	-10.5

TABLE 2.20

## VALUE INDICES OF PRODUCTION, IMPORTS AND EXPORTS, ASEAN COUNTRIES, FOR SELECTED INDUSTRIES, 1985-1991

(1985=100)

## ISIC 3115 - Vegetable and animal oils and fats

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1985	100	100	100	100	100	100	100	100	100	100	100	100
1986	79	122	48	68	102	71	111	169	103	72	57	60
1987	85	264	77	86	166	83	132	156	123	67	64	52
1988	104	227	134	121	197	110	130	286	120	78	79	69
1989	122	244	115	126	206	116		251	111	88	80	84
1990		107	107	110	163	106		325	106	79	68	60
1991		173	142		239	114		249	90		80	70

## ISIC 3220 - Wearing apparel excluding footwear

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1985	100	100	100	100	100	100	100	100	100	100	100	100
1986	107	90	152	116	88	125	118	123	109	121	120	125
1987	116	133	175	156	92	188	175	148	138	157	170	186
1988	166	222	233	183	112	256	277	235	166	178	200	231
1989	228	338	340	234	145	330		349	212	195	228	260
1990		508	491	293	170	407		462	258	202	309	296
1991		758	674		218	475		533	271		355	325



TABLE 2 20

## VALUE INDICES OF PRODUCTION, IMPORTS AND EXPORTS, ASEAN COUNTRIES, FOR SELECTED INDUSTRIES, 1985-1991

(1985=100)

## ISIC 3311 - Sawmills, planing &amp; other wood mills

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1985	100	100	100	100	100	100	100	100	100	100	100	100
1986	107	214	119	97	70	114	103	66	109	87	106	102
1987	129	307	197	121	62	167	127	85	197	91	156	142
1988	180	461	243	143	102	197	158	439	161	117	188	175
1989	210	855	295	184	186	270		508	185	123	184	181
1990		718	275	234	353	293		576	86	110	215	141
1991		442	302		359	304		564	75		233	151

## ISIC 3511 - Basic chemicals excluding fertilizers

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1985	100	100	100	100	100	100	100	100	100	100	100	100
1986	112	109	104	78	98	117	106	126	110	351	115	111
1987	144	114	127	95	124	130	142	148	149	243	142	142
1988	186	140	150	101	167	241	173	178	159	302	214	206
1989		177	245	105	183	139		171	177	251	397	277
1990		191	264	114	231	177		224	152	283	533	321
1991		187	350		247	229		198	137		521	370

TABLE 2.20

## VALUE INDICES OF PRODUCTION, IMPORTS AND EXPORTS, ASEAN COUNTRIES, FOR SELECTED INDUSTRIES, 1985-1991

(1985=100)

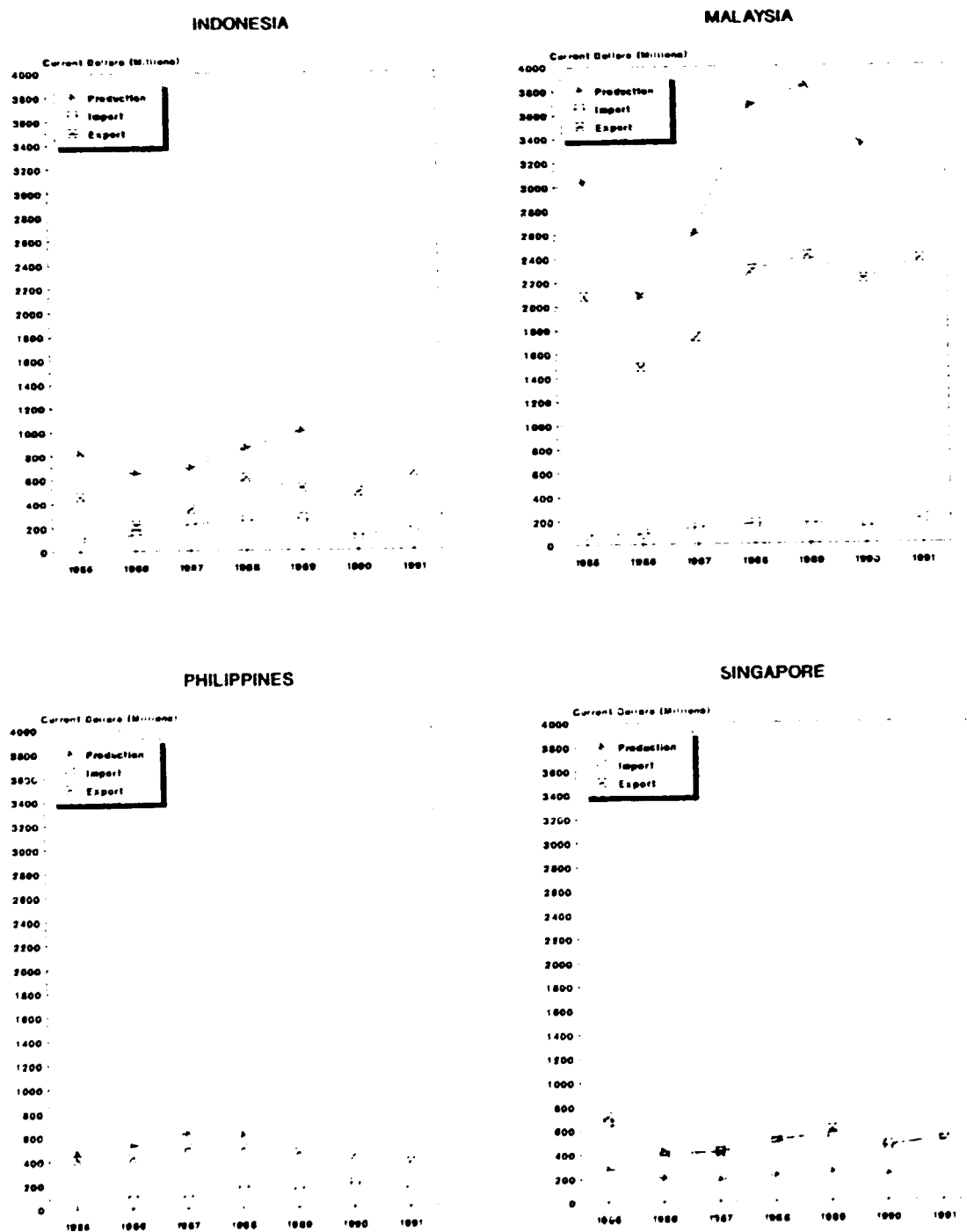
## ISIC 3832 - Radios, television and communication equipment

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1985	100	100	100	100	100	100	100	100	100	100	100	100
1986	83	108	34	118	110	123	119	121	126	126	133	119
1987	71	149	24	179	134	161	159	164	167	190	185	180
1988	81	156	45	219	164	210	202	213	206	260	270	262
1989	107	177	83	301	204	272		274	223	303	285	293
1990		291	139	394	251	339		334	238	368	353	345
1991		369	261		329	412		404	309		414	393

## ISIC 3843 - Motor vehicles

Year	Indonesia			Malaysia			Philippines			Singapore		
	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports	Production	Imports	Exports
1985	100	100	100	100	100	100	100	100	100	100	100	100
1986	137	162	90	66	53	118	88	128	146	81	91	94
1987	113	167	358	91	56	162	159	220	120	81	147	119
1988	177	176	1421	155	99	130	353	434	85	130	238	166
1989	241	196	2754	246	160	398		695	115	148	298	226
1990		314	3598	345	222	454		958	234	200	381	231
1991		288	5041		259	506		804	155		357	252

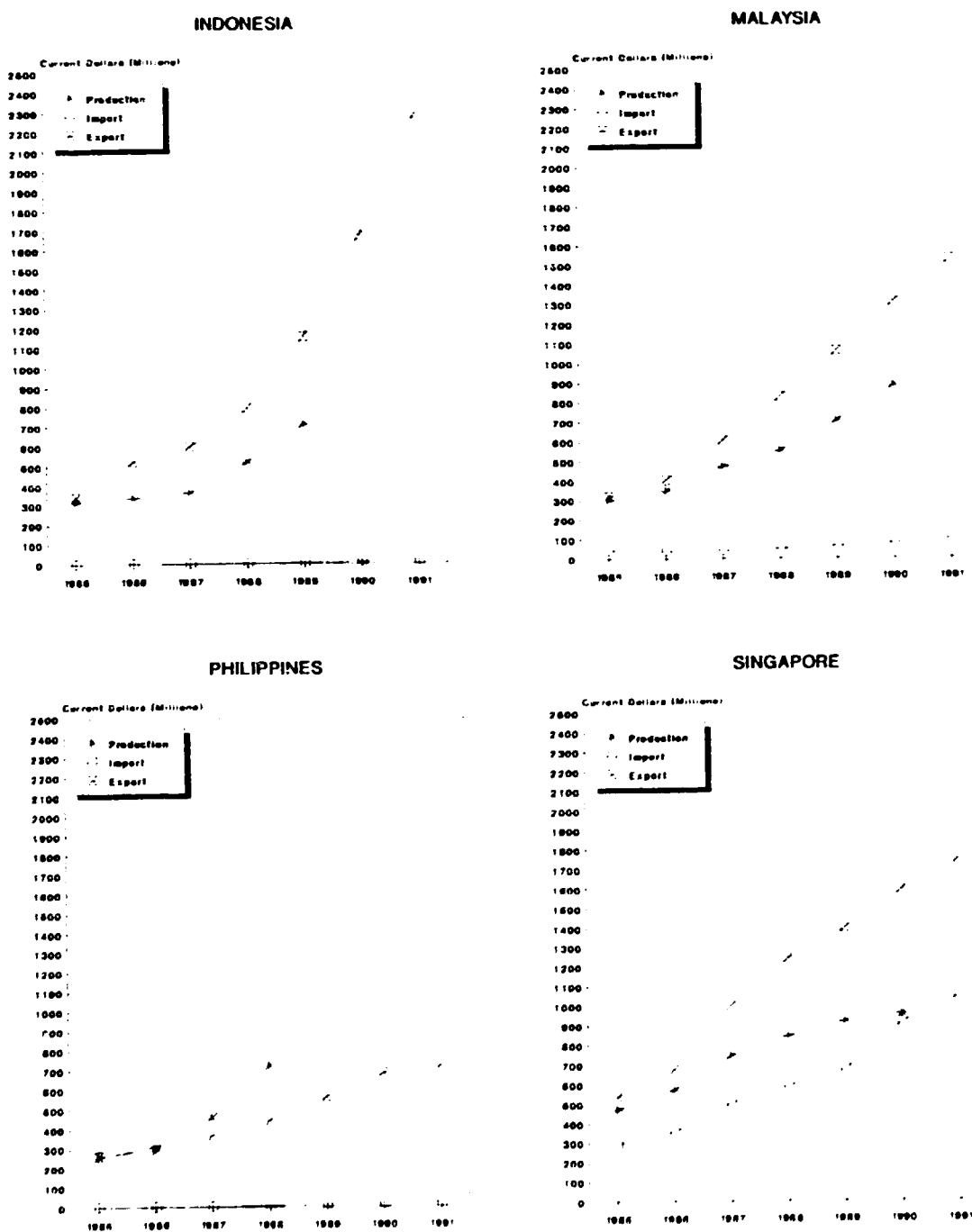
**Figure 3** Development of production, imports and exports, ASEAN countries, selected product groups 1985-1991



ISIC 3115 - Vegetable and animal oils and fats

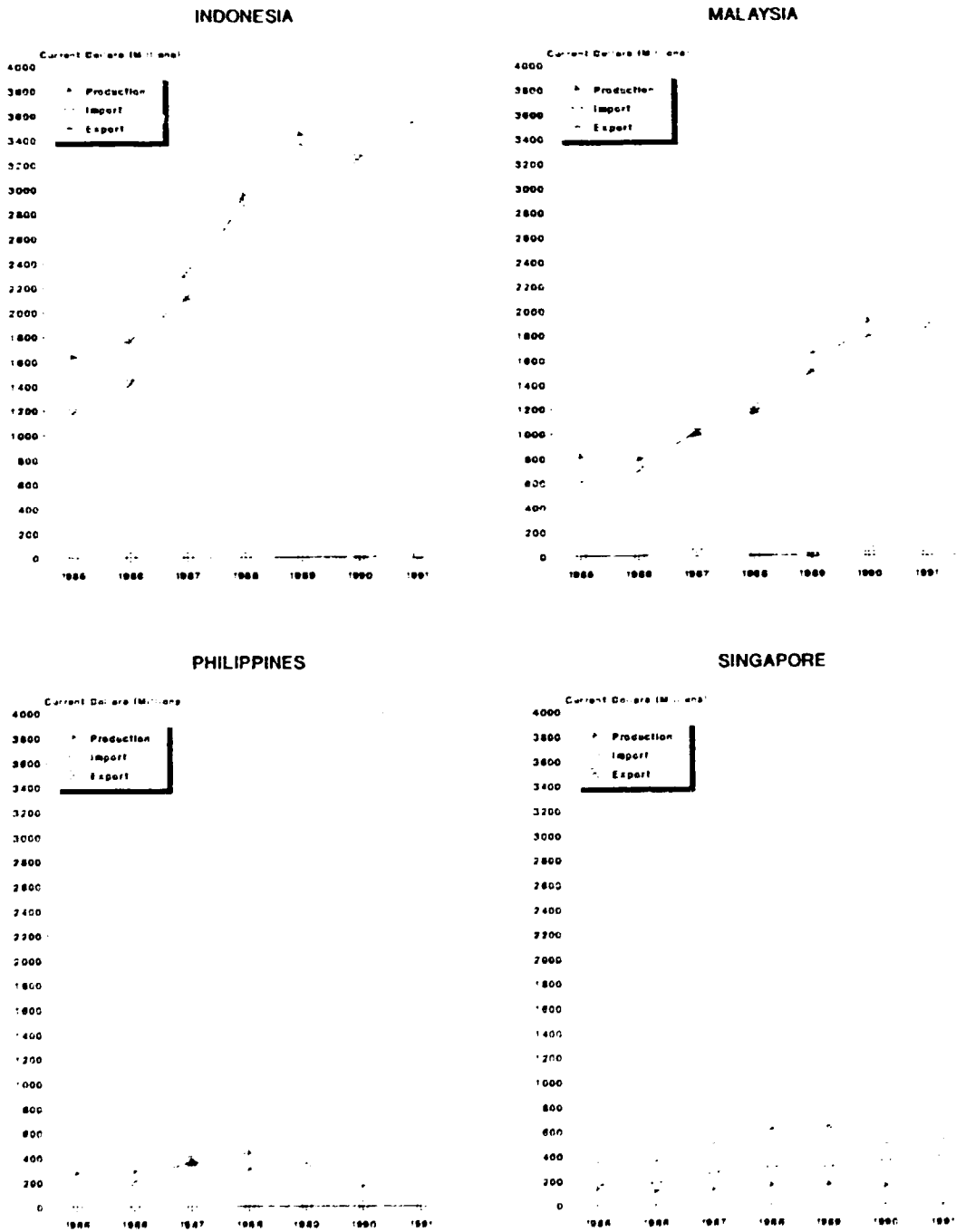
Figure 3  
(cont'd)

Development of production, imports and exports,  
ASEAN countries, selected product groups 1985-1991



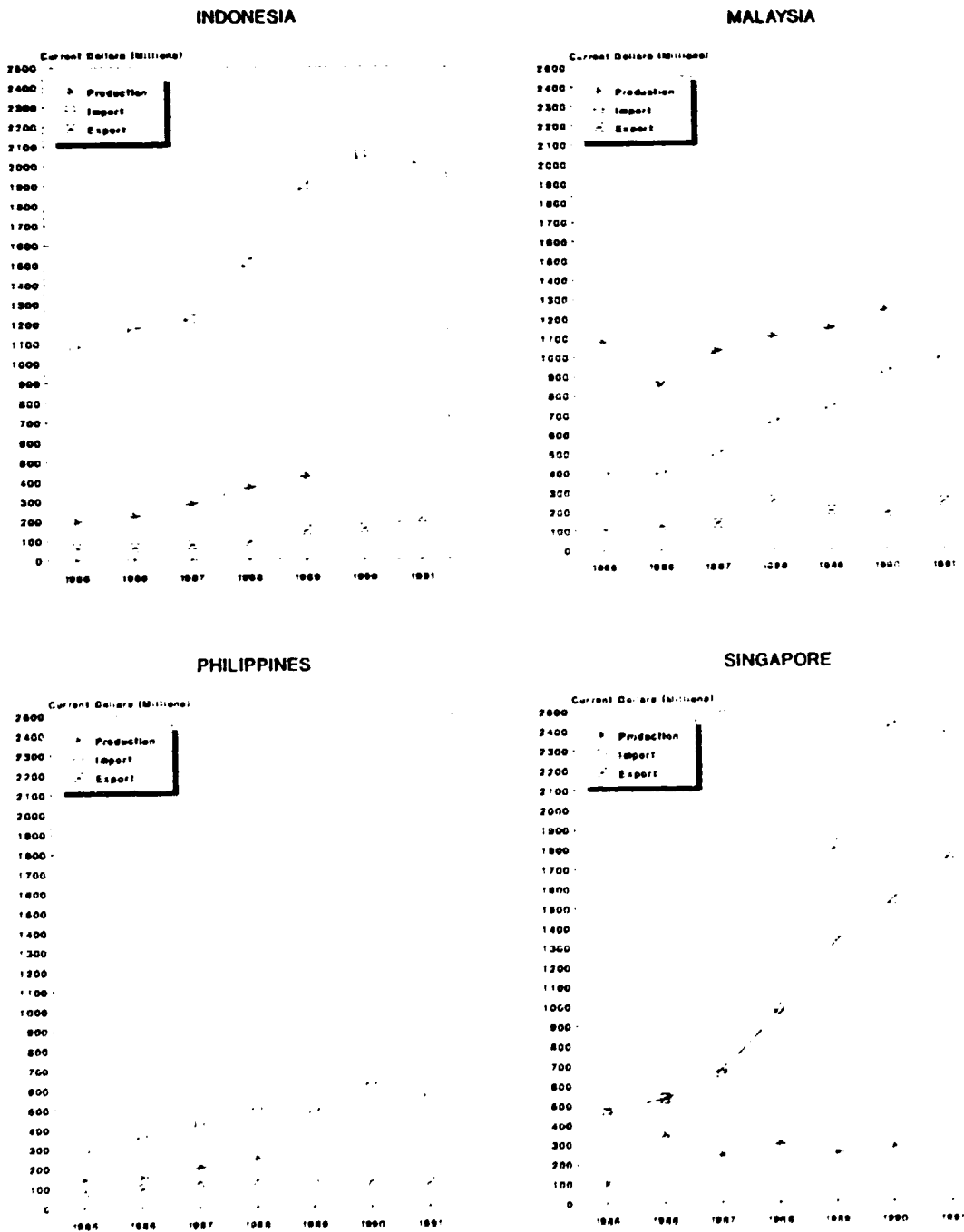
ISIC 3220 - Wearing apparell except footwear

Figure 3 Development of production, imports and exports. ASEAN countries, selected product groups 1985-1991 (Cont'd)



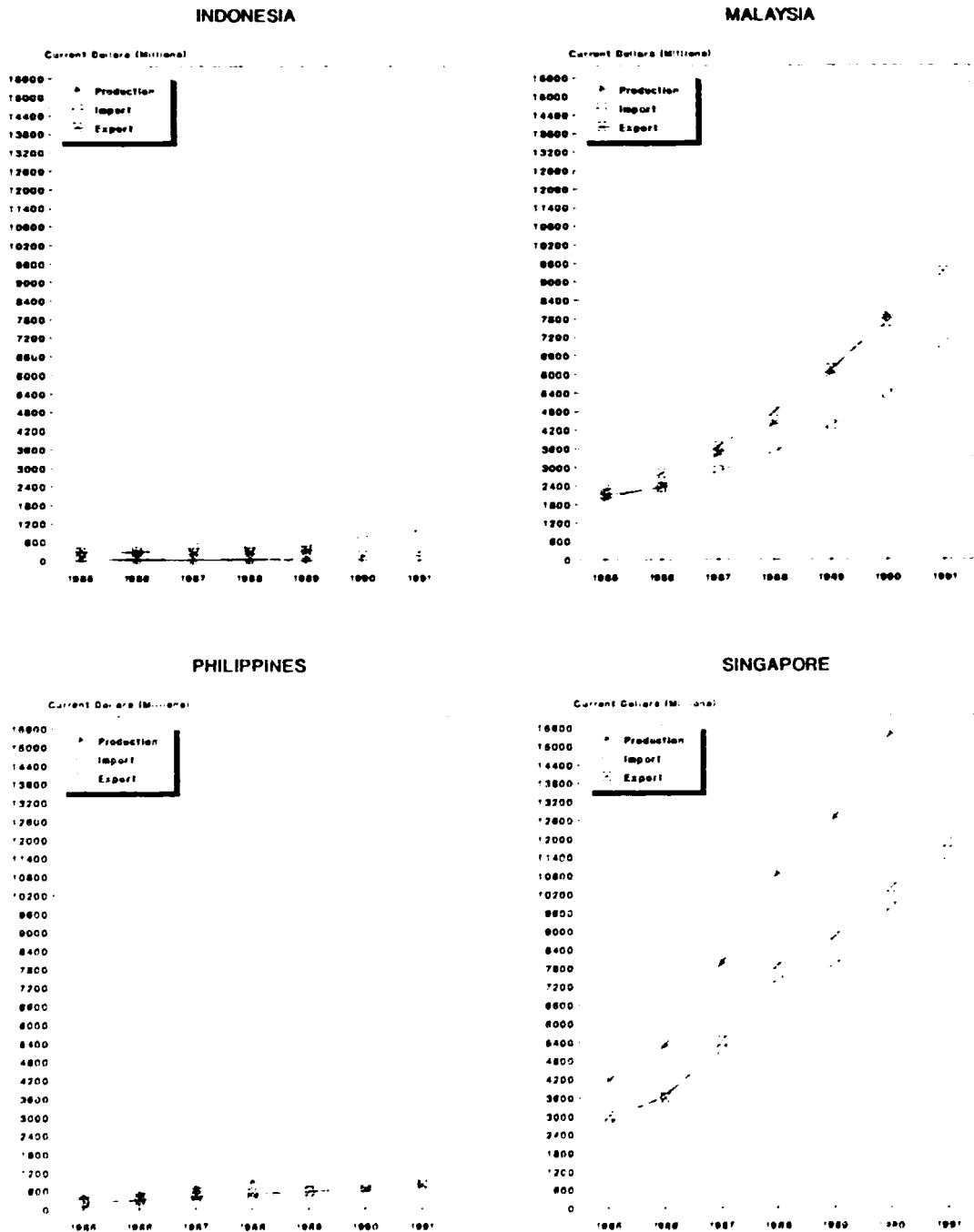
ISIC 3311 - Sawmills, planing and other wood mill products

**Figure 3** Development of production, imports and exports, ASEAN countries, selected product groups 1985-1991  
(Cont'd)



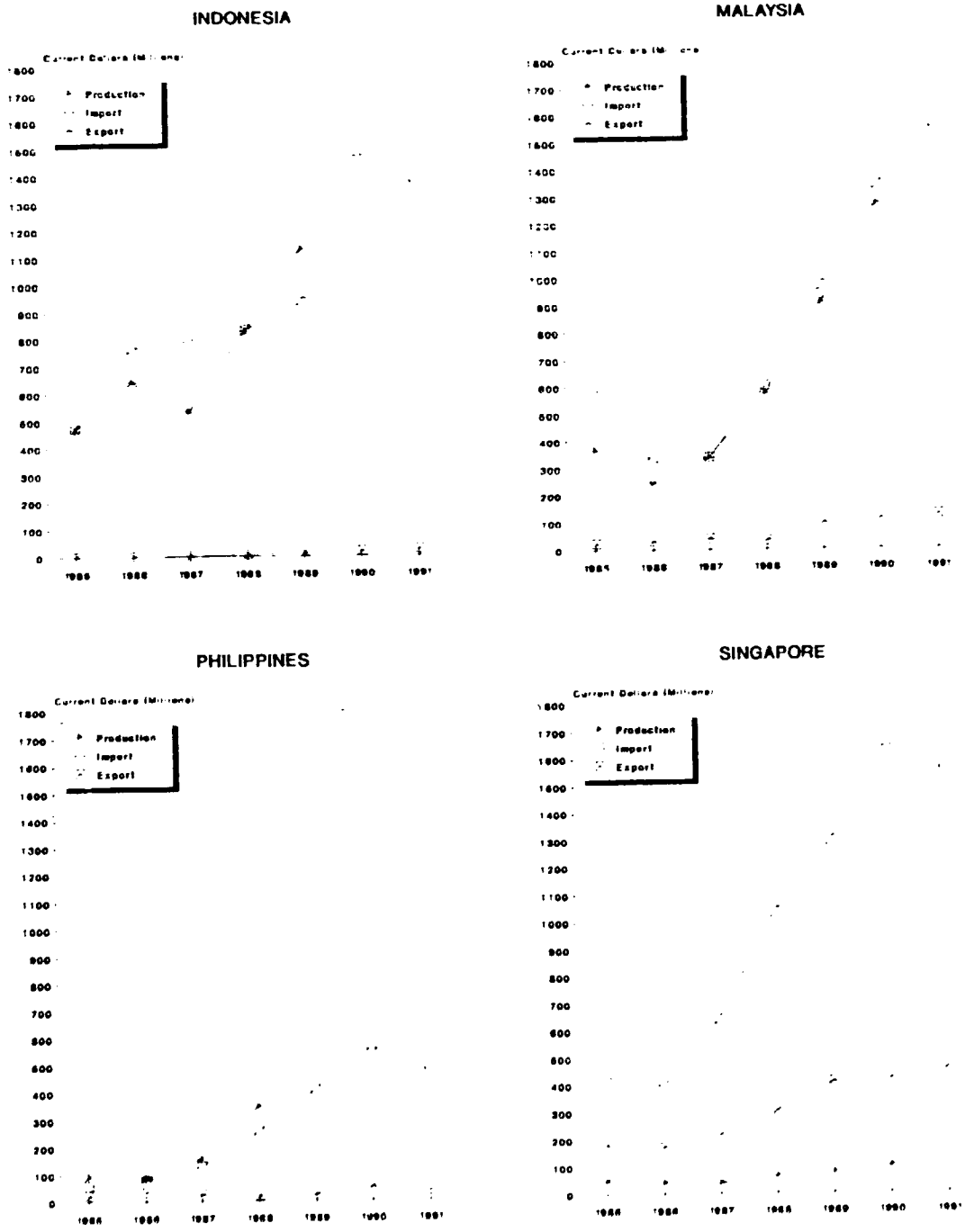
ISIC 3511 - Basic chemicals excluding fertilizers

Figure 3 Development of production, imports and exports, ASEAN countries, selected product groups 1985-1991



ISIC 3832 - Radio, television and communication equipment

**Figure 3** Development of production, imports and exports, ASEAN countries, selected product groups 1985-1991  
(cont'd)



ISIC 3843 - Motor vehicles



TABLE 2.21

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

INDONESIA						
Industry - ISIC code	Percent of manufactured export, 1991	Rank, 1991	Percent of manufactured export, 1985	Comparison to earlier years		
				Rank, 1985	Percent of manufactured export, 1975	Rank, 1975
Sawmills, planing and other wood mills (3311)	22.97	1	23.61	1	3.32	6
wearing apparel except footwear (3220)	14.77	2	6.81	6	0.25	21
Spinning, weaving and finishing textiles (3211)	9.17	3	3.75	8	0.16	24
Petroleum refineries (3530)	6.54	4	16.69	2	42.19	1
Footwear (3240)	5.34	5	0.16	24	0.03	35
Vegetable and animal oils and fats (3115)	4.13	6	9.08	4	19.39	2
Non-ferrous metals (3720)	3.86	7	12.49	3	8.75	3
Furniture and fixtures, excl. metal (3320)	2.20	8	0.11	36	0.02	42
Grain mill products (3110)	1.59	16	8.26	5	8.00	4
Other food products (3121)	1.76	12	5.95	7	6.06	5
Tobacco products (3140)	0.57	27	0.11	37	1.39	7
Drugs and medicines (3522)	0.15	52	0.31	21	1.29	8

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

TABLE 2.21

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

MALAYSIA						
Industry (ISIC code)	Percent of manufactured export, 1991	Rank, 1991	Comparison to earlier years			
			Percent of manufactured export, 1985	Rank, 1985	Percent of manufactured export, 1975	Rank, 1975
Radio, TV and communication equipment (3832)	35.78	1	27.20	1	2.12	7
Vegetable and animal oils and fats (3115)	9.13	2	25.06	2	29.03	1
Sawmills, planing and other wood mills (3311)	7.12	3	7.34	4	11.58	3
Wearing apparel except footwear (3220)	5.85	4	3.86	6	1.84	8
Office, computing and accounting mach. (3825)	5.31	5	0.35	24	1.42	10
Electrical industrial machinery (3831)	3.16	6	1.59	9	2.43	6
Other non-electrical machinery & equipmt (3829)	2.52	7	1.28	11	1.47	9
Aircraft (3845)	2.32	8	1.41	10	0.63	17
Non-ferrous metals (3720)	1.42	14	8.56	3	22.54	2
Petroleum refineries (3530)	1.50	13	5.48	5	5.14	5
Prof. & scientific equipment n.e.c. (3851)	0.77	22	0.69	15	5.86	4
Spinning, weaving and finishing textiles (3211)	1.58	11	2.17	7	1.31	11
Shipbuilding (3841)	2.15	10	1.62	8	0.18	37

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

TABLE 2.21

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

## PHILIPPINES

Industry (ISIC code)	Percent of manufactured export, 1991	Rank, 1991	Comparison to earlier years			
			Percent of manufactured export, 1985	Rank, 1985	Percent of manufactured export, 1975	Rank, 1975
Radio, TV and communication equipment (3832)	16.13	1	10.08	3	0.18	26
wearing apparel except footwear (3220)	14.73	2	10.49	2	2.52	8
Vegetable and animal oils and fats (3115)	7.59	3	16.25	1	20.28	2
Other manufactures (3909)	5.07	4	4.19	8	3.06	5
Non-ferrous metals (3720)	4.91	5	9.84	4	3.16	4
Other electrical apparatus and supplies (3839)	4.15	6	0.26	34	0.03	57
Canning, preserving of fruits & vegetables (3113)	3.18	7	4.24	7	2.69	7
Petroleum refineries (3530)	3.17	8	1.10	18	2.82	6
Sawmills, planing and other wood mills (3311)	2.94	10	7.51	5	5.17	3
Sugar factories and refineries (3118)	2.81	11	7.37	6	46.79	1

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

TABLE 2.21

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

## SINGAPORE

Industry (ISIC code)	Comparison to earlier years					
	Percent of manufactured export, 1991	Rank, 1991	Percent of manufactured export, 1985	Rank, 1985	Percent of manufactured export, 1975	Rank, 1975
Radio, TV and communication equipment (3832)	21.09	1	15.31	2	11.59	2
Office, computing & accounting machinery (3825)	18.17	2	6.92	3	1.97	12
Petroleum refineries (3530)	17.73	3	30.57	1	39.40	1
Other non-electrical mach. and equipment (3829)	3.72	4	3.49	6	2.41	8
Electrical industrial machinery (3831)	3.29	5	3.55	5	1.23	15
Basic chemicals excl. fertilizers (3511)	3.14	5	2.43	8	0.93	21
wearing apparel except footwear (3220)	3.10	7	2.73	7	2.60	6
Synthetic resins and plastic materials (3513)	2.01	8	1.61	12	0.57	27
vegetable and animal oils and fats (3115)	0.89	19	3.64	4	2.93	5
Sawmills, planing and other wood mills (3311)	0.94	16	1.78	11	3.27	3
Other special industrial machinery (3824)	1.83	1	2.15	10	2.46	7
Shipbuilding (3841)	0.75	23	1.14	16	3.08	4

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

TABLE 2.21

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

## THAILAND

Industry (ISIC code)	Comparison to earlier years					
	Percent of manufactured export, 1991	Rank, 1991	Percent of manufactured export, 1985	Rank, 1985	Percent of manufactured export, 1975	Rank, 1975
wearing apparel except footwear (3220)	15.44	1	11.67	2	4.60	5
Radio, TV and communication equipment (3832)	11.62	2	1.31	17	1.66	9
Office, computing & accounting machinery (3825)	8.23	3	1.08	19	0.03	57
Grain mill products (3116)	5.56	4	19.09	1	27.60	1
Jewellery and related articles (3901)	5.47	5	6.05	4	3.49	6
Canning, preserving & processing of fish (3114)	5.13	6	5.94	5	0.95	14
Spinning, weaving and finishing textiles (3211)	4.04	7	7.45	3	4.98	4
Other non-electrical machinery & equipment (3829)	3.39	8	1.68	12	0.13	40
Sugar factories and refineries (3118)	2.69	11	5.30	6	26.03	2
Non-ferrous metals (3720)	0.29	46	5.02	7	9.84	3
Electrical industrial machinery (3831)	1.53	16	4.26	8	0.17	35
Sawmills, planing and other wood mills (3311)	0.37	43	0.86	22	3.03	7
Cement, lime and plaster (3692)	0.18	52	0.20	48	2.22	8

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

TABLE 2.22

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

INDONESIA						
Industry (SIC code)	Percent of manufactured import, 1991	Rank, 1991	Comparison to earlier years			
			Percent of manufactured import, 1985	Rank, 1985	Percent of manufactured import, 1975	Rank, 1975
Other special industrial machinery (3524)	15.36	1	9.04	2	7.62	4
Other non-electrical machinery & equipmt (3829)	9.00	2	8.34	4	6.44	6
Basic chemicals excl. fertilizers (3511)	8.82	3	12.45	1	4.26	8
Iron and steel (3310)	6.63	4	8.36	3	11.10	1
Motor vehicles (3843)	6.01	5	5.50	6	9.06	3
Synthetic resins and plastic materials (3513)	5.06	6	6.57	5	2.75	12
Petroleum products (3530)	4.97	7	4.57	8	5.10	7
Radio, TV and communication equipmt (3832)	4.20	8	3.00	9	2.26	13
Fertilizers and pesticides (3512)	0.29	42	1.12	24	9.88	2
Grain mill products (3116)	0.33	41	0.38	33	7.38	5
Shipbuilding (3841)	2.98	10	4.74	7	1.19	20

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

TABLE 2.22

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

Industry (SITC code)	MALAYSIA					
	1991		Comparison to earlier years			
	Percent of manufactured import	Rank, 1991	Percent of manufactured import, 1985	Rank, 1985	Percent of manufactured import, 1975	Rank, 1975
Radio, TV and communication equipment (3832)	21.06	1	19.16	1	4.79	6
Other special industrial machinery (3824)	5.96	2	6.20	3	6.64	2
Other non-electrical machinery & equipment (3829)	5.88	3	5.48	4	5.26	5
Iron and steel (3110)	5.76	4	5.19	6	6.26	4
Electrical industrial machinery (3831)	5.34	5	2.99	9	3.66	9
Motor vehicles (3843)	4.72	6	5.46	5	4.93	1
Petroleum refineries (3530)	3.78	7	9.21	2	6.50	3
Aircraft (3845)	3.63	8	1.06	22	0.76	31
Basic chemicals excl. fertilizers (3511)	2.98	14	3.60	7	3.71	8
Shipbuilding (3641)	2.49	18	3.17	8	0.84	27
Sugar factories and refineries (3118)	0.69	25	1.18	21	4.29	7

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

TABLE 2 22

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

PHILIPPINES						
Industry (ISIC code)	Comparison to earlier years					
	Percent of manufactured import, 1991	Rank, 1991	Percent of manufactured import, 1985	Rank, 1985	Percent of manufactured import, 1975	Rank, 1975
Radio, tv and communication equipment (3832)	11.24	1	7.99	2	1.76	15
Iron and steel (3710)	7.87	2	5.77	4	7.79	4
Basic chemicals excl. fertilizers (3511)	7.37	3	10.70	1	8.27	3
Motor vehicles (3843)	6.22	4	2.23	5	11.61	1
Other special industrial machinery (3824)	5.92	5	4.86	7	11.35	2
Synthetic resins and plastic materials (3513)	5.64	6	6.13	3	4.51	6
Other non-electrical machinery & equipmt (3829)	4.28	7	3.70	10	7.44	5
Spinning, weaving & finishing of textiles (3211)	4.27	8	4.10	9	2.39	10
Fertilizers and pesticides (3512)	2.08	15	5.12	5	2.44	8
Grain mill products (3116)	0.10	61	4.96	6	1.74	17
Petroleum refineries (3530)	3.41	9	4.63	8	2.38	11
Shipbuilding (3841)	0.37	40	0.25	45	2.84	7

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



TABLE 2.22

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

SINGAPORE						
Industry (SIC code)	Comparison to earlier years					
	Percent of manufactured import, 1991	Rank, 1991	Percent of manufactured import, 1985	Rank, 1985	Percent of manufactured import, 1975	Rank, 1975
Radio, TV and communication equipment (3832)	20.27	1	14.89	1	9.17	2
Office, computing & accounting machinery (3825)	8.12	2	4.45	5	1.00	27
Other non-electrical mach. and equipment (3829)	6.09	3	5.22	3	6.75	4
Electrical, industrial machinery (3831)	5.12	4	3.72	6	2.69	9
Petroleum refineries (3530)	4.74	5	10.24	2	8.32	3
Basic chemicals excl. fertilizers (3511)	4.23	6	2.47	12	1.90	12
Iron and steel (3710)	3.75	7	3.60	7	9.69	1
Other special industrial machinery (3824)	3.45	8	3.19	10	5.58	5
Aircraft (3845)	3.32	9	4.92	4	1.75	14
Vegetable and animal oils and fats (3115)	0.94	25	3.60	8	2.37	10
Spinning, weaving and finishing textiles (3211)	2.38	11	3.52	9	4.60	6
Motor vehicles (3843)	2.76	10	2.35	13	3.52	7
Shipbuilding (3841)	1.80	16	2.48	11	2.78	8

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

TABLE 2 22

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

## THAILAND

Industry (ISIC code)	Comparison to earlier years					
	Percent of manufactured import, 1991	Rank, 1991	Percent of manufactured import, 1985	Rank, 1985	Percent of manufactured import, 1975	Rank, 1975
Iron and steel (3710)	9.32	1	9.39	1	8.91	4
Radio, TV and communication equipment (3832)	9.12	2	4.85	7	2.06	15
Other special industrial machinery (3824)	7.92	3	5.78	6	8.22	3
Other non-electrical machinery & equipm (3829)	6.98	4	6.07	5	6.16	6
Motor vehicles (3843)	6.73	5	6.42	4	11.35	1
Petroleum refineries (3530)	6.10	6	9.31	2	8.45	2
Basic chemicals excl. fertilizers (3511)	5.07	7	8.08	3	6.22	5
Electrical industrial machinery (3831)	4.51	8	3.24	10	3.04	10
Synthetic resins and plastic materials (3513)	2.80	11	4.04	8	3.71	8
Fertilizers and pesticides (3512)	1.60	16	3.75	9	3.76	7

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

TABLE 2.23

## SELECTED INDICATORS OF FOREIGN DIRECT INVESTMENT, ASEAN COUNTRIES, SELECTED YEARS

(Percentage)

Indonesia									
Sector	Sectoral share				Area/country	Geographical distribution			
	1987	1988	1989	1990		1987	1988	1989	1990
Primary Sector					Developed countries				
Agriculture	0.8	0.3	0.2	0.3	EC	35.6	31.3	8.4	9.1
Mining & Quarrying	5.3	8.9	3.3	5.8	Other Europe	6.0	1.0	4.4	3.2
Petroleum	68.7	67.8	86.4	79.9	USA	5.0	15.2	7.4	1.8
Secondary Sector					Japan	36.5	5.6	16.3	25.6
Food, Beverages & Tobacco	1.0	2.9	1.0	0.7	Other developed	2.6	5.4	20.9	17.0
Textiles, Leather & Clothing	0.6	0.5	1.0	0.9	Developing countries				
Paper	-	-	1.8	-	ASEAN				
Chemicals & Rubber	3.5	7.8	2.2	4.4	Malaysia	0.1	0.5	0.5	0.1
Non-Metallic Mineral Products	0.2	2.0	0.1	0.2	Philippines	0.2	-	-	-
Metals & Metal Products	16.4	7.4	0.7	1.3	Singapore	0.4	5.4	3.5	3.0
Other Manufacturing	0.1	0.8	0.4	0.5	Thailand	-	0.2	0.4	0.1
Tertiary Sector					Asian Dcs				
Construction	2.9	0.4	0.9	0.6	Hong Kong	9.3	5.2	8.6	11.4
Distributive Trade & Trade-related services	0.6	0.1	1.0	1.9	Rep. of Korea	1.6	4.7	9.9	8.3
Hotels	-	1.3	1.0	3.5	Taiwan Province	0.5	20.5	3.4	7.1
Total in \$US Million <sup>a/</sup>	2307.3	2562.0	2469.1	3757.5	Other Asian Dcs	-	-	1.3	1.5
					Africa	-	-	-	-
					Latin America	1.8	2.0	0.3	0.5
					Other Developing	0.3	3.0	14.7	11.3
					Total in \$US Million <sup>b/</sup>	1457.1	4434.6	4718.8	8750.1

a. Data based on implementation. For petroleum, data are the sum of expenditures of exploration, development and capital production in each; Foreign direct investment flows in banking and insurance are excluded.

b. Data based on approvals. Foreign investment in the petroleum industry and banking and insurance are excluded. Foreign investment from more than one country, not available separately, has been distributed pro rata between developing and developed countries.

TABLE 2.23

SELECTED INDICATORS OF FOREIGN DIRECT INVESTMENT, ASEAN COUNTRIES, SELECTED YEARS  
(Percentage)

Malaysia									
Sector	Sectoral share				Area/country	Geographical distribution			
	1987	1988	1989	1990		1987	1988	1989	1990
Manufacturing					Developed countries				
Food, Beverages & Tobacco	10.0	11.9	3.4	1.9	EC	10.3	18.6	14.6	6.4
Textiles, Leather & Clothing	2.7	4.9	6.1	5.1	Other Europe	0.1	1.6	2.6	2.9
Wood & Wood Products	5.9	4.1	11.6	3.1	USA	7.9	11.0	3.7	3.2
Furniture & Fittings	0.1	1.5	1.5	0.7	Japan	34.7	25.1	31.1	23.9
Paper	3.9	0.7	3.4	2.1	Other developed	10.5	4.8	1.5	1.6
Chemicals	15.9	15.7	11.8	9.8	Developing countries				
Coal & Petroleum Products	-	-	2.6	15.3	ASEAN				
Rubber Products	14.3	19.2	6.7	2.7	Indonesia	0.1	0.5	1.2	6.2
Non-Metallic Mineral Products	3.9	1.5	3.9	1.0	Philippines	-	-	-	0.2
Basic Metals	4.0	12.6	5.1	25.8	Singapore	12.5	8.6	10.6	5.1
Metal Products	0.4	3.0	6.0	1.7	Thailand	0.2	1.2	0.1	-
Mechanical Equipment	1.1	0.3	1.7	6.6	Asian Dcs				
Electrical Equipment	36.5	23.6	31.4	21.4	Hong Kong	4.3	6.1	4.1	2.1
Motor Vehicles & other Transport Equipment	0.6	0.5	1.6	1.6	India	3.9	1.8	-	1.2
Scientific & Measuring Equipment	-	0.3	2.4	0.4	Rep. of Korea	0.2	0.9	2.2	3.7
Other Manufacturing	0.8	0.2	0.8	0.8	Sri Lanka	-	-	0.3	0.1
					Taiwan Province	11.8	17.0	25.0	36.0
					Other Asian Dcs	-	0.2	0.1	6.0
					Africa	0.2	-	-	-
					Latin America	1.8	-	2.1	0.1
					Other developing	1.5	2.6	0.8	1.3
Total in \$US Million <sup>a</sup>	817.6	1862.7	3194.3	6517.5	Total in \$US Million <sup>a/</sup>	817.6	1862.7	3194.3	6517.5

a. Foreign direct investment data represent approved foreign equity and foreign investors' shares in total loans, as reported by the Malaysian Industrial Development Authority

TABLE 2.23

## SELECTED INDICATORS OF FOREIGN DIRECT INVESTMENT, ASEAN COUNTRIES, SELECTED YEARS

(Percentage)

Philippines									
Sector	Sectoral share				Area/country	Geographical distribution			
	1986	1987	1988	1989		1986	1987	1988	1989
Primary Sector					Developed countries				
Agriculture	0.1	0.5	1.6	0.2	EC	16.7	5.7	7.0	10.8
Mining & Quarrying	0.6	19.5	15.3	5.6	Other Europe	2.5	0.1	0.7	2.6
Petroleum	36.2	17.0	2.0	15.4	USA	69.6	71.0	41.2	34.1
Secondary Sector					Japan	7.6	5.6	25.6	25.5
Food, Beverages & Tobacco	0.2	6.7	1.9	5.6	Other developed	0.9	1.1	0.2	6.4
Textiles, Leather & Clothing	1.3	2.3	5.7	4.5					
Paper	1.2	1.3	-	-	Developing countries				
Chemicals	21.6	19.1	12.9	10.0	ASEAN				
Coal and Petroleum Products	1.7	1.1	-	-	Indonesia				
Rubber Products	0.7	5.5	2.2	0.6	Malaysia	0.1	-	1.4	-
Metals & Metal Products	1.2	0.1	-	0.2	Singapore	-	0.1	0.6	2.4
Mechanical Equipment	1.0	5.0	2.7	23.8	Thailand				
Other Transport Equipment	3.2	3.7	-	2.6	Asian Dcs				
Other Manufacturing	4.1	3.9	12.2	5.5	Hong Kong	2.3	12.7	19.8	7.7
Tertiary Sector					Rep. of Korea	0.1	-	0.3	0.6
Construction	-	0.1	-	-	Taiwan Province	0.1	0.2	1.0	7.2
Distributive Trade	-	1.1	8.6	8.6	Other Asian Dcs	0.1	-	0.1	0.5
Transport & Storage	-	0.1	0.4	0.4	Africa	0.1	0.1	0.2	0.6
Communications	0.7	3.1	-	0.6	Latin America	0.1	0.2	1.6	0.7
Finance & Insurance	23.5	6.1	1.6	8.2	Other Dcs	-	2.1	0.3	0.9
Real Estate	0.2	0.5	1.1	5.4					
Other Services	2.6	3.4	31.8	2.8					
Total in \$US Million <sup>a/</sup>	131.1	94.6	67.7	201.2	Total in \$US Million <sup>a/</sup>	131.1	94.6	67.7	201.2

a. Foreign direct investment data refer to equity investments registered with the Central Bank of the Philippines.

TABLE 2.23

## SELECTED INDICATORS OF FOREIGN DIRECT INVESTMENT, ASEAN COUNTRIES, SELECTED YEARS

(Percentage)

Singapore									
Sector	Sectoral share				Area/country	Geographical distribution			
	1986	1987	1988	1989		1986	1987	1988	1989
Manufacturing					Developed countries				
Food, Beverages & Tobacco	1.5	3.7	3.4	1.6	EC	12.8	10.3	25.1	34.3
Textiles, Leather, Clothing & Rubber	0.7	1.6	1.4	-0.2	Other Europe	-0.8	2.3	1.0	1.4
Paper	3.0	2.4	3.1	1.2	USA	50.1	39.0	28.5	19.6
Chemicals	17.7	3.7	5.1	32.0	Japan	44.3	44.7	40.9	45.6
Coal & Petroleum Products	8.9	5.6	15.9	14.2	Other developed	-	-	-	-
Plastic Products	1.0	3.8	2.5	1.3					
Non-Metallic Mineral Products	-4.2	2.6	1.4	6.7	Developing countries	-6.5	3.8	4.4	-0.9
Metals & Metal Products	3.9	7.5	4.6	4.4					
Mechanical Equipment	1.6	10.9	3.9	2.7					
Electrical Equipment	55.5	62.4	47.8	37.0					
Motor vehicles & other Transport Equipment	3.6	-2.0	11.4	-2.7					
Other Manufacturing	6.8	2.9	2.4	1.8					
Total in \$US Million <sup>a</sup>	441.4	841.9	1207.8	1624.1	Total in \$US Million <sup>a/</sup>	441.4	841.9	1207.8	1624.1

a. Foreign direct investment has been estimated as changes in gross fixed assets of foreign direct investors in the manufacturing sector of Singapore between consecutive years.

TABLE 2.23

## SELECTED INDICATORS OF FOREIGN DIRECT INVESTMENT, ASEAN COUNTRIES, SELECTED YEARS

(Percentage)

Thailand									
Sector	Sectoral share				Area/country	Geographical distribution			
	1986	1987	1988	1989		1986	1987	1988	1989
<b>Primary Sector</b>					<b>Developed countries</b>				
Agriculture	2.9	3.2	1.1	1.3	EC	7.4	10.4	8.0	
Mining & Quarrying	0.1	-0.7	0.3	0.1	Other Europe	5.1	9.2	2.2	
Petroleum	3.4	2.8	1.4	1.2	USA	18.7	20.1	11.3	
					Japan	44.1	38.1	51.7	
<b>Secondary Sector</b>					Other developed	2.7	0.5	0.3	
Food, Beverages & Tobacco	4.2	4.8	4.4	4.4	<b>Developing countries</b>				
Textiles, Leather & Clothing	1.2	11.0	4.0	1.5	ASEAN	0.1	-	-	
Chemicals	7.0	9.5	5.9	5.5	Asian DCs:				
Coal and Petroleum Products	0.1	-0.2	3.0	-2.5	Hong Kong	13.8	8.5	10.8	
Metals & Non-Metallic Mineral Products	-0.3	4.0	5.9	5.5	India	-	-0.3	-	
Mechanical & Transport Equipment	-0.2	1.8	2.5	1.5	Other Asian DCs	7.5	14.5	15.7	
Electrical Appliances	8.9	12.5	22.3	19.0	Africa	0.2	0.2	0.1	
Other Manufacturing	9.5	8.9	7.9	10.5	Other developing	0.1	0.4	-3.1	
<b>Tertiary Sector</b>									
Construction	17.9	14.9	6.9	8.7					
Distributive Trade	25.8	9.4	13.9	15.5					
Transport & Storage	3.7	2.4	1.4	1.2					
Finance & Insurance	7.4	4.9	9.5	7.9					
Real Estate	0.5	3.5	3.2	8.7					
Other Services	7.5	6.9	4.3	9.8					
<b>Total in \$US Million<sup>g/</sup></b>	<b>252.7</b>	<b>351.5</b>	<b>1115.5</b>	<b>1740.8</b>	<b>Total in \$US Million<sup>g/</sup></b>	<b>252.7</b>	<b>351.5</b>	<b>1115.5</b>	<b>1740.8</b>

<sup>g/</sup> Foreign direct investment data exclude reinvestment earnings.  
Petroleum refers to foreign investments in oil exploration.