

Appendix 1.

The Average Growth Rate of Value, Volume, and Price of Plantation Sub-sector Commodities, 1983-1988.

Commodities	Average growth rate (% per year)		
	Value	Volume	Price ^{a)}
1. Rubber	10.3	4.4	(+)
2. Palm oil	41.7	42.1	(-)
3. Coffee	8.9	4.6	(+)
4. Tea	9.2	5.6	(+)
5. Tobacco	18.6	-6.2	(+)
6. Cocoa	29.5	32.2	(-)
7. Pepper	25.6	1.0	(+)
8. Copra	11.4	7.7	(+)
9. Others	16.7	9.9	(+)
Total	11.56	7.8	(+)

a) The growth rate of price is positive (+) when the growth rate of value is greater than that of volume, and negative (-) when the growth rate of value is less than that of volume.

Source : Table 3.3. and Table 3.4.

Appendix 2.

The Average Growth Rate of Value, Volume, and Price of Fishery Sub-sector Commodities, 1983-1988.

Commodities	Average growth rate (% per year)		
	Value	Volume	Price a)
1. Shrimp	22.1	16.9	(+)
2. Tuna	34.9	17.9	(+)
3. Other sea fishes	33.4	12.0	(+)
4. Frog leg	35.2	15.2	(+)
5. Decorative fish	112.0	65.2	(+)
6. Jelly fish	44.4	34.9	(+)
7. Others	36.0	21.8	(+)
Total	24.5	16.8	(+)

a) The growth rate of price is positive (+) when the growth rate of value is greater than that of volume, and negative (-) when the growth rate of value is less than that of volume.

Source : Table 3.5. and Table 3.6.

Appendix 3.

The Average Growth Rate of Value, Volume, and Price of Food Crops Sub-sector Commodities, 1983-1988

Commodities	Average growth rate (% per year)		
	Value	Volume	Price a)
1. Cassava chip	24.3	25.6	(-)
2. Grains	-22.1	-20.8	(-)
3. Vegetables	25.3	19.5	(+)
4. Fruits	41.4	28.5	(+)
5. Others	5.3	17.5	(-)
Total	20.4	22.18	(-)

a) The growth rate of price is positive (+) when the growth rate of value is greater than that of volume, and negative (-) when the growth rate of value is less than that of volume.

Source : Table 3.7. and Table 3.8.

Appendix 4.

Agricultural Imports of Indonesia
(Million U.S. Dollars)

1988 (Jan - Sep)		1989 (Jan - Sep)	
Commodities	Total	Commodities	Total
Cotton	234	Cotton	293
Wheat	164	Wheat	212
Vegetable Oil	149	Animal Feedstuff ^a	165
Oil seeds	137	Oil seeds	110
Animal Feedstuff ^a	94	Sugar	98
Vegetables	55	Rice	74
Dairy products	54	Dairy products	62
Sugar	39	Vegetables	29
Tobacco, Unmfd	20	Live Animals	24
Live Animals	19	Tobacco, Unmfd	19
Food Prep, NES	15	Food Prep, NES	17
Flour and Meals	11	Cereal Prep	6
Other Grains	9	Jute	6
Cereal Prep	9	Other Oil/Fat	6
Other Oil/Fat	6	Flour and Meals	5
Meat	5	Other Grains	5
Spices	5	Beverage Non-alc	5
Rice	3	Spices	5
Fruit, Prep/Pres	2	Meat	4
Fruit, Dr/Fresh	2	Tobacco, Mfd	2
Other Sugar/Prod	2	Fruit, Prep/Pres	2
Tobacco, Mfd	1	Fruit, Dr/Fresh	2
Jute	1	Other Sugar/Prod	1
All Other Agr ^b	54	All Other Agr ^b	73
Total	1089	Total	1223

^a Primarily Soybean Meal

^b Excluding wood, rubber, and fishery products

Source : The Central Bureau of Statistics

Note : Commodities are listed in a descending order of importance.

Appendix 5.

Measures of Agricultural Export Diversification in Indonesia 1981 and 1987

Commodity Grouping	Site	Measures of diversification a)	
		1981	1987
Primary commodity	(0-4)	0.6498	0.4609
Primary commodity-oil	(0,1,2,4)	0.3532	0.3228
Edible agricultural products	(0,1,4)	0.3845	0.3496
Food and animal	(0)	0.4424	0.4137
Bevarages and tobacco	(1)	0.8548	0.7900
Raw materials	(2)	0.4942	0.5526
Edible oil	(4)	0.8354	0.5248

Note : a) The smaller the measure, the more diversified the group.

Source : Dillon et.al., 1989.

Appendix 6.

Indices of Instability of Indonesian Agricultural Export Commodities, 1981-1987

Commodity	Stability indices ^{a)} for	
	Volume	Value (US\$)
L a t e x	7.80	13.69
Processed rubber	6.05	18.02
C o f f e e	6.17	19.84
T e a	9.40	38.89
C o c o a	14.54	21.64
Palm oil	38.76	28.95
S h r i m p	8.28	13.24

Note : a) The smaller the index, the more stable the Indonesian agricultural export commodities.

Source : Dillon et.al., 1989.