Harmoniskah Lingkungan Hidup dan Ekonomi Makro Indonesia?

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Outline

- **Isu Lingkungan dalam Makroekonomi**
- ***What Have We Done and What Can We Do?***
- **Perspektif Lingkungan dalam Kebijakan Makroekonomi Indonesia**

Indonesia and other countries: general indicators (1)

Negara	Penduduk (Juta)	Persentase Penduduk Kota	PDB ($ Milyar)	Pendapatan Perkapita ($)
Vietnam	78.52	24.00	31.34	390
Thailand	60.73	21.60	122.17	2,000
Singapore	4.02	100.00	92.25	24,740
Philipina	75.58	58.60	74.73	1,040
Malaysia	23.27	57.40	89.66	3,380
Myanmar	47.75	27.70	..	..
Laos	5.28	23.50	1.71	290
Kamboja	12.02	15.90	3.18	260
Indonesia	**210.42**	**40.90**	**153.26**	**570**
Brunei	0.34	72.20	4.85	24,100

Source: World Bank, 2002

Indonesia and other countries: general indicator (2)

Negara	Gross national savings (% of GNI)	Consumption of fixed capital (% of GNI)	Net national savings (% of GNI)	Education expenditure (% of GNI)	Energy depletion (% of GNI)	Mineral depletion (% of GNI)	Net forest depletion (% of GNI)	CO2 damage (% of GNI)	Adjusted net savings (% of GNI)
Vietnam	29.38	7.98	21.40	2.81	8.39	0.04	1.20	0.97	13.61
Thailand	30.28	14.89	15.39	3.45	1.27	0.01	0.34	1.05	16.18
Singapore	51.51	13.29	38.22	2.27	-	-	-	0.57	39.92
Philipina	28.92	8.08	20.84	2.91	0.02	0.14	0.76	0.62	22.20
Malaysia	42.16	11.81	30.35	4.26	10.76	0.02	0.28	1.04	22.52
Myanmar	13.11	..	..	..	..	..	..	..	..
Laos	..	7.92	8.52	1.83	0.00	0.07	-	0.15	10.12
Kamboja	17.49	7.49	10.00	1.84	-	-	0.39	0.12	11.33
Indonesia	**21.47**	**5.56**	**15.91**	**0.65**	**10.93**	**1.45**	**0.30**	**1.01**	**2.87**
Brunei	..	8.44	..	2.52	18.77	-	-	0.42	..

Source: World Bank, 2002

Indonesia and other countries: general indicators (3)

Rata-Rata Variabel Terpilih Beberapa Negara Dunia
Periode Tahun 1998-2002

Variabel	Dunia	Australia	Canada	Cina	Indonesia	Malaysia	Uni Eropa
Urban Population (% of Population)	47.6	91.5	79.1	37.6	43.0	58.7	77.7
GDP ($Billion)	32,312.0	409.0	714	1,266.0	173.0	95.0	6,648.0
GNI/Capita ($)	5,120.0	19,530.0	22,390.0	960.0	710.0	3,540.0	20,320.0
Agriculture Land (% of Total Land)	38.0	59.0	8.0	60.0	25.0	24.0	48.0
Forest Area (% of Total Land Area)	29.7	20.6	26.5	17.0	58.0	58.7	37.0
Annual Deforestation (% Change 90-00)	0.2	(0.1)	0.0	(0.9)	1.2	1.2	(0.3)
Energy Depletion (% GNI)	1.9	1.2	4.0	2.7	8.6	8.9	0.0
Mineral Depletion (% GNI)	0.1	1.4	0.1	0.2	1.2	0.0	0.0
Net Forest Depletion (% GNI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO2 Damage (% GNI)	0.5	0.6	0.5	2.2	0.9	1.0	0.3
Particulate Emission Damage (% GNI)	0.3	0.1	0.2	1.0	0.5	0.1	0.2

Sumber: The Little Green Book, World Bank, 2004

Indonesia and other countries: agriculture

Negara	Luas Wilayah (1,000 Km2)	Lahan Pertanian (% Luas Wilayah)	Lahan Teririgasi (% lahan pertanian)	Konsumsi Pupuk (100 gr/ ha)	Indeks Produksi Pertanian (1989-91=100)	Kepadatan Penduduk Desa (jiwa/ Km2)
Vietnam	325.49	24.55	40.82	3,364.52	155.50	1,031.29
Thailand	510.89	36.80	26.39	1,225.65	114.20	322.62
Singapore	0.61	1.64	..	37,640.00	41.50	-
Philipina	298.17	38.00	15.42	1,336.38	133.50	565.75
Malaysia	328.55	24.01	4.80	8,358.79	137.40	540.80
Myanmar	657.55	15.98	18.15	164.22	158.30	359.15
Laos	230.80	7.82	18.01	92.81	149.80	454.22
Kamboja	176.52	30.06	7.09	21.40	141.60	268.31
Indonesia	**1,811.57**	**23.27**	**15.54**	**1,482.25**	**119.90**	**694.19**
Brunei	5.27	2.47	14.29	-	178.90	3,122.86

Source: World Bank, 2002

Indonesia and other countries: forestry

Negara	Luas Hutan (1,000 Km2)	Luas Hutan (% Luas Wilayah)	Deforestasi Tahun (%, 1990-2000)
Vietnam	98.19	30.17	(0.54)
Thailand	147.62	28.89	0.73
Singapore	0.02	3.28	-
Philipina	57.89	19.42	1.42
Malaysia	192.76	58.67	1.16
Myanmar	344.19	52.34	1.39
Laos	125.61	54.42	0.41
Kamboja	93.35	52.88	0.58
Indonesia	**1,049.86**	**57.95**	**1.17**
Brunei	4.42	83.87	0.22

Source: World Bank, 2002

Indonesia and other countries: biodiversity

Negara	Spesies Mamalia (Jumlah yang Diketahui)	Spesies Mamalia (terancam punah)	Spesies Burung (Jumlah yang Diketahui)	Spesies Burung (terancam punah)	Area yang Dilindungi secara Nasional (% Luas Wilayah)
Vietnam	213	37	535	35	3.06
Thailand	265	34	616	37	13.85
Singapore	45	3	118	7	4.75
Philipina	153	50	395	67	4.88
Malaysia	286	47	501	37	4.59
Myanmar	251	36	867	35	0.26
Laos	172	27	487	19	-
Kamboja	123	21	307	19	16.22
Indonesia	**436**	**140**	**1519**	**113**	**10.63**
Brunei	157	9	359	15	23.00

Source: World Bank, 2002

Indonesia and other countries: energy

Negara	PDB per Unit Penggunaan Energi (PPP$/kg oil equiv)	Penggunaan Energi Komersial per kapita (kg oil equiv)	Penggunaan Bahan Bakar Tradisional (% penggunaan energi total)	Net Impor Energi (% penggunaan energi komersial)	Konsumsi Listrik perkapita (KWh)	Proporsi Listrik yang Dibangkitkan dengan Batubara (%)
Vietnam	4.13	454.22	37.80	(27.40)	252.21	12.37
Thailand	5.25	1,168.80	24.60	45.33	1,351.96	18.27
Singapore	3.64	5,742.16	-	99.72	6,640.94	..
Philipina	6.93	548.93	26.90	51.68	453.62	27.06
Malaysia	4.32	1,878.03	5.50	(72.12)	2,474.37	2.50
Myanmar	..	273.35	60.50	(8.11)	71.36	..
Laos	..	..	88.70	..	..	..
Kamboja	..	..	89.30	..	..	..
Indonesia	**4.40**	**657.52**	**29.30**	**(66.31)**	**344.58**	**30.10**
Brunei	2.59	4,340.97	..	(1,158.59)	7,123.80	..

Source: World Bank, 2002