

LAMPIRAN

No	Negara	Tahun	PDB per kapita (Konstan 2010 US Dollar)	Emisi CO2 (kt)	ENERGI (Minyak Kg per kapita)	PMA (Net Inflows, US\$ Dollar)	Pengeluaran Kesehatan (US Dollar)
1	Brunei Darussalam	2008	35.844,42	9.119,83	9.337,04 2	222.184.5	788,97
		2009	34.800,56	7.862,05	7.925,914	325.586.8	741,55
		2010	35.269,55	8.203,08	8.337,495	480.722.546	803,49
		2011	36.121,89	9.695,55	9.837,447	691.170.274	876,43
		2012	35.967,33	9.666,21	9.599,377	864.905.527	882,00
		2013	34.729,83	7.803,38	7.522,255	775.644.683	846,62
		2014	33.471,15	9.108,83	8.673,089	567.889.727	795,04
		2015	32.869,29	8.456,10	8.097,672	171.289.167	739,23
		2016	31.685,23	8.782,47	8.385,381	150.550.827	630,63
		2017	31.752,74	8.619,28	8.241,526	467.927.550	684,93
2018	31.436,87	8.700,87	8.313,453	511.497.137	657,78		
2	Kamboja	2008	763,51	3.898,02	251,275	815.180.217	49,23
		2009	752,80	4.653,42	360,495	928.393.617	55,98
		2010	785,50	5.012,79	370,260	1.404.315.448	54,30
		2011	827,78	5.207,14	381,242	1.538.883.424	66,22
		2012	873,95	5.456,50	390,790	2.003.849.201	69,06
		2013	922,89	5.603,18	396,914	2.068.470.774	72,01
		2014	972,74	6.684,94	416,838	1.853.471.158	73,30
		2015	1.024,62	6.144,06	406,876	1.822.804.151	72,05
		2016	1.079,63	6.414,50	411,857	2.475.915.853	77,67
		2017	1.137,82	6.279,28	409,367	2.788.084.321	74,86
2018	1.205,04	6.346,89	410,612	3.102.579.484	76,27		
3	Indonesia	20 08	2.885,31	416.560,20	793,100	9.318.453.649	61,77
		2009	2.979,00	446.409,58	845,997	4.877.369.178	64,91
		2010	3.122,36	428.760,31	877,076	15.292.009.410	92,19
		2011	3.270,62	603.665,21	833,562	20.564.938.226	107,41
		2012	3.421,27	637.078,91	853,208	21.200.778.607	107,06
2013	3.563,30	490.226,56	863,818	23.281.742.361	107,20		

		2014	3.692,97	464.176,19	883,918	25.120.732.059	108,84
		2015	3.824,27	477.201,38	873,868	19.779.127.976	100,22
		2016	3.968,06	470.688,79	878,893	4.541.713.739	111,55
		2017	4.120,43	473.945,08	876,381	20.510.310.832	105,88
		2018	4.284,65	472.316,93	877,637	20.007.774.753	108,72
4	Malaysia	2008	8.850,01	204.031,88	2.777,664	7.572.512.432	270,95
		2009	8.559,23	198.876,08	2.591,760	114.664.434	251,41
		2010	9.040,57	218.476,19	2.601,449	10.885.614.182	292,89
		2011	9.372,01	220.405,04	2.670,652	15.119.371.191	352,59
		2012	9.743,10	218.707,21	2.678,534	8.895.774.251	382,29
		2013	10.061,72	236.510,50	2.979,649	11.296.279.513	388,70
		2014	10.524,07	242.821,41	3.003,456	10.619.431.582	421,97
		2015	10.912,15	239.665,95	2.991,552	9.857.162.111	376,06
		2016	11.244,00	241.243,68	2.997,504	13.470.089.920	361,52
		2017	11.728,98	240.454,82	2.994,528	9.368.469.822	368,79
		2018	12.120,08	240.849,25	2.996,016	8.570.094.242	365,16
5	Filipina	2008	2.016,81	78.858,84	441,190	1.340.027.563	77,31
		2009	2.006,59	77.568,05	413,212	2.064.620.677	79,47
		2010	2.124,06	84.869,05	429,909	1.070.386.939	91,84
		2011	2.164,86	85.496,11	425,517	2.007.150.725	98,95
		2012	2.270,53	91.205,62	444,950	3.215.415.155	112,95
		2013	2.390,13	98.128,92	453,060	3.737.371.739	123,21
		2014	2.495,58	105.653,60	474,298	5.739.574.024	117,34
		2015	2.605,49	101.891,26	463,679	5.639.155.961	124,38
		2016	2.743,20	103.772,43	468,988	8.279.548.274	129,43
		2017	2.884,38	102.831,85	466,334	10.256.442.398	126,91
		2018	3.021,99	103.302,14	467,661	9.802.387.531	128,17
6	Singapura	2008	43.216,25	36.134,62	5.094,136	12.200.705.251	1.275,14
		2009	41.983,07	55.932,75	4.257,776	23.821.209.699	1.318,52
		2010	47.236,96	55.643,06	5.006,621	55.075.864.345	1.502,20
		2011	49.159,38	45.221,44	5.069,172	49.155.657.316	1.687,44

		2012	50.102,23	36.372,97	4.898,330	55.310.807.547	1.848,43
		2013	51.671,15	55.676,06	4.880,406	64.389.514.904	2.098,97
		2014	52.994,04	56.372,79	5.121,804	68.698.472.830	2.215,18
		2015	53.883,82	56.024,43	5.001,105	69.774.553.124	2.301,54
		2016	54.764,86	56.198,61	5.061,455	73.552.652.791	2.462,39
		2017	56.740,75	56.111,52	5.031,280	94.811.159.186	2.381,97
		2018	58.247,87	56.155,06	5.046,367	82.039.577.168	2.422,18
7	Thailand	2008	4.801,88	252.443,61	1.624,829	8.561.557.724	151,47
		2009	4.744,76	267.602,99	1.610,683	6.411.458.544	152,45
		2010	5.076,34	281.926,29	1.753,703	14.746.672.919	172,06
		2011	5.094,47	278.317,97	1.743,241	2.473.685.995	195,94
		2012	5.437,87	296.597,96	1.860,318	12.899.036.061	206,44
		2013	5.558,72	300.088,95	1.991,594	15.935.960.663	213,00
		2014	5.589,31	316.212,74	1.969,002	4.975.455.660	219,37
		2015	5.741,34	308.150,84	1.980,298	8.927.579.180	214,38
		2016	5.911,95	312.181,79	1.974,650	2.810.184.390	221,92
		2017	6.128,66	310.166,32	1.977,474	8.045.508.381	218,15
		2018	6.361,62	311.174,06	1.976,062	13.248.453.538	220,03
8	Vietnam	2008	1.198,42	117.993,06	563,928	9.579.000.000	58,85
		2009	1.250,80	128.634,69	609,276	7.600.000.000	64,09
		2010	1.317,89	142.737,98	669,700	8.000.000.000	78,19
		2011	1.385,89	152.169,50	662,557	7.430.000.000	89,02
		2012	1.443,49	142.220,93	667,320	8.368.000.000	108,16
		2013	1.505,81	147.230,05	660,334	8.900.000.000	118,55
		2014	1.579,19	166.910,84	663,827	9.200.000.000	116,36
		2015	1.667,17	157.070,44	662,081	11.800.000.000	116,74
		2016	1.752,53	161.990,64	662,954	12.600.000.000	122,84
		2017	1.852,96	159.530,54	662,517	14.100.000.000	239,58
				2018	1.964,48	160.760,59	662,736
9	Myanmar	2008	818,65	9.801,89	302,638	863.880.447,31	10,44
		2009	899,24	10.230,93	284,891	1.078.972.200	13,65

		2010	979,05	12.515,47	277,093	901.133.534,88	15,34
		2011	1.025,89	14.297,63	280,915	2.519.813.313	19,32
		2012	1.092,06	11.070,67	304,524	1.333.856.137	23,28
		2013	1.174,05	12.860,17	320,369	2.254.603.965	25,49
		2014	1.257,48	21.631,63	369,332	2.175.015.283	64,22
		2015	1.335,20	17.245,90	344,851	4.083.839.111	61,99
		2016	1.403,77	19.438,77	357,091	3.278.096.409	62,11
		2017	1.489,17	18.342,33	350,971	4.002.424.944	62,05
		2018	1.571,91	18.890,55	354,031	1.291.196.200	62,08

Fixed Effect

Dependent Variable: LOG(GDP?)
 Method: Pooled Least Squares
 Date: 10/29/19 Time: 20:29
 Sample: 2008 2018
 Included observations: 11
 Cross-sections included: 9
 Total pool (balanced) observations: 99

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	19.16127	1.228513	15.59712	0.0000
LOG(CO2?)	0.519687	0.145340	3.575669	0.0006
LOG(ENERGY?)	0.444244	0.170233	2.609622	0.0107
LOG(FDI?)	0.043088	0.016243	2.652798	0.0095
LOG(KES?)	0.304144	0.052413	5.802848	0.0000
Fixed Effects (Cross)				
_BRUNEIDARUSSALA				
M—C	-3.300431			
_CAMBODIA—C	-1.191031			
_INDONESIA—C	2.107115			
_MALAYSIA—C	0.177424			
_PHILIPPINES--C	1.205662			
_SINGAPORE--C	-0.678879			
_THAILAND—C	0.739022			
_VIETNAM—C	0.426247			
_MYANMAR—C	0.514872			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.995847	Mean dependent var	25.58468
Adjusted R-squared	0.995268	S.D. dependent var	1.392146
S.E. of regression	0.095765	Akaike info criterion	-1.731979
Sum squared resid	0.788705	Schwarz criterion	-1.391206
Log likelihood	98.73296	Hannan-Quinn criter.	-1.594102
F-statistic	1718.664	Durbin-Watson stat	0.651097
Prob(F-statistic)	0.000000		

Random Effect

Dependent Variable: LOG(GDP?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 10/29/19 Time: 20:35
 Sample: 2008 2018
 Included observations: 11
 Cross-sections included: 9
 Total pool (balanced) observations: 99
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	18.07186	1.029246	17.55834	0.0000
LOG(CO2?)	0.482838	0.080055	6.031334	0.0000
LOG(ENERGY?)	0.009903	0.123028	0.080493	0.9360
LOG(FDI?)	0.044503	0.016119	2.760885	0.0069
LOG(KES?)	0.213367	0.047139	4.526324	0.0000
Random Effects (Cross)				
_BRUNEIDARUSSALA				
M--C	-1.494663			
_CAMBODIA--C	-0.774828			
_INDONESIA--C	1.033033			
_MALAYSIA--C	0.060079			
_PHILIPPINES--C	0.553509			
_SINGAPORE--C	0.223249			
_THAILAND--C	0.277750			
_VIETNAM--C	-0.258076			
_MYANMAR--C	0.379946			
Effects Specification				
			S.D.	Rho
Cross-section random			0.532722	0.9687
Idiosyncratic random			0.095765	0.0313
Weighted Statistics				
R-squared	0.674640	Mean dependent var	1.384696	
Adjusted R-squared	0.660795	S.D. dependent var	0.183590	
S.E. of regression	0.106925	Sum squared resid	1.074698	
F-statistic	48.72770	Durbin-Watson stat	0.693551	
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	0.730082	Mean dependent var	25.58468	
Sum squared resid	51.26580	Durbin-Watson stat	0.014539	

Uji Chow

Redundant Fixed Effects Tests

Pool: DATAPANEL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	199.646687	(8,86)	0.0000
Cross-section Chi-square	294.434809	8	0.0000

Cross-section fixed effects test equation:

Dependent Variable: LOG(GDP?)

Method: Panel Least Squares

Date: 10/29/19 Time: 20:32

Sample: 2008 2018

Included observations: 11

Cross-sections included: 9

Total pool (balanced) observations: 99

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	13.91600	0.960480	14.48859	0.0000
LOG(CO2?)	0.727441	0.037788	19.25071	0.0000
LOG(ENERGY?)	-0.224035	0.109795	-2.040489	0.0441
LOG(FDI?)	0.193836	0.046758	4.145494	0.0001
LOG(KES?)	0.171589	0.104974	1.634589	0.1055
R-squared	0.918726	Mean dependent var		25.58468
Adjusted R-squared	0.915268	S.D. dependent var		1.392146
S.E. of regression	0.405237	Akaike info criterion		1.080494
Sum squared resid	15.43637	Schwarz criterion		1.211560
Log likelihood	-48.48444	Hannan-Quinn criter.		1.133524
F-statistic	265.6469	Durbin-Watson stat		0.241611
Prob(F-statistic)	0.000000			

Uji Hausman

Correlated Random Effects - Hausman Test

Pool: DATAPANEL

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	27.184503	4	0.0000

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(CO2?)	0.064564	0.482838	0.007221	0.0000
LOG(ENERGY?)	0.444244	0.009903	0.013843	0.0002
LOG(FDI?)	0.043088	0.044503	0.000004	0.4790
LOG(KES?)	0.304144	0.213367	0.000525	0.0001

Cross-section random effects test equation:

Dependent Variable: LOG(GDP?)

Method: Panel Least Squares

Date: 10/29/19 Time: 20:34

Sample: 2008 2018

Included observations: 11

Cross-sections included: 9

Total pool (balanced) observations: 99

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	19.16127	1.228513	15.59712	0.0000
LOG(CO2?)	0.064564	0.116745	0.553034	0.5817
LOG(ENERGY?)	0.444244	0.170233	2.609622	0.0107
LOG(FDI?)	0.043088	0.016243	2.652798	0.0095
LOG(KES?)	0.304144	0.052413	5.802848	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.995847	Mean dependent var	25.58468
Adjusted R-squared	0.995268	S.D. dependent var	1.392146
S.E. of regression	0.095765	Akaike info criterion	-1.731979
Sum squared resid	0.788705	Schwarz criterion	-1.391206
Log likelihood	98.73296	Hannan-Quinn criter.	-1.594102
F-statistic	1718.664	Durbin-Watson stat	0.651097
Prob(F-statistic)	0.000000		

Uji Heterokedastisitas

Dependent Variable: RESID?
 Method: Pooled Least Squares
 Date: 10/29/19 Time: 20:37
 Sample: 2008 2018
 Included observations: 11
 Cross-sections included: 9
 Total pool (balanced) observations: 99

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.087529	0.100438	0.871468	0.3859
CO2?	-1.55E-07	4.00E-07	-0.388538	0.6986
ENERGY?	-4.24E-05	3.86E-05	-1.099473	0.2746
FDI?	1.03E-12	2.17E-12	0.476303	0.6351
KES?	5.08E-05	0.000123	0.413157	0.6805
Fixed Effects (Cross)				
_BRUNEIDARUSSALA				
M--C	0.237822			
_CAMBODIA--C	-0.075810			
_INDONESIA--C	0.002707			
_MALAYSIA—C	0.040829			
_PHILIPPINES--C	-0.064415			
_SINGAPORE--C	-0.029747			
_THAILAND—C	0.017701			
_VIETNAM—C	-0.053413			
_MYANMAR--C	-0.075673			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.036835	Mean dependent var	-2.80E-19
Adjusted R-squared	-0.097561	S.D. dependent var	0.089711
S.E. of regression	0.093985	Akaike info criterion	-1.769509
Sum squared resid	0.759654	Schwarz criterion	-1.428736
Log likelihood	100.5907	Hannan-Quinn criter.	-1.631632
F-statistic	0.274076	Durbin-Watson stat	0.651568
Prob(F-statistic)	0.991868		

Uji Multikolinearitas

	CO ₂	ENERGI	PMA	KESEHATAN
CO ₂	1.000000	0.840043	0.649051	-0.262706
ENERGI	0.840043	1.000000	0.227152	0.059105
PMA	0.649051	0.227152	1.000000	-0.269184
KESEHATAN	-0.262706	0.059105	-0.269184	1.000000

PENGARUH PERUBAHAN LINGKUNGAN DAN DETERMINAN PENDAPATAN PER KAPITA DI NEGARA-NEGARA ASEAN PERIODE 2008-2018

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Prodi : Ekonomi

NIM : 20160430107

Judul : Pengaruh Perubahan Lingkungan dan Determinan Pendapatan Per Kapita di Negara-Negara ASEAN Periode 2008-2018

Dosen Pembimbing : Diah Titis Kusumawardani, SE., MDEC.

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Yogyakarta, 19 Februari 2020
Petugas Perpustakaan



Aidilla Qurotianti, SIP.