

LAMPIRAN

Lampiran 1. Data Panel Penelitian

Negara	Tahun	GDP (US\$)	OP (%)	FDI (US\$)	INFLASI (%)	POP (Jiwa)
Philippines	2008	183332415225	76.28227	1340027563	8.26	90751864
	2009	185437680419	65.59038	2064620678	4.22	92220879
	2010	199590775190	71.41949	1070386940	3.79	93726624
	2011	206895301780	67.69792	2007150725	4.72	95277940
	2012	220723809025	64.89944	3215415155	3.03	96866642
	2013	236315792451	60.24529	3737371740	2.58	98481032
	2014	250838103975	61.47163	5739574024	3.60	100102249
	2015	266055320224	62.69001	5639155962	0.67	101716359
	2016	284348525314	65.50657	8279548275	1.25	103320222
	2017	303355852257	71.83065	10057387728	2.85	104918090
Indonesia	2008	679403088245	58.5614	9318453650	10.23	236159276
	2009	710851782010	45.51212	4877369178	4.39	239340478
	2010	755094160363	46.70127	15292009411	5.13	242524123
	2011	801681840622	50.18001	20564938227	5.36	245707511
	2012	850023661688	49.5829	21200778608	4.28	248883232
	2013	897261717987	48.63737	23281742362	6.41	252032263
	2014	942184637117	48.08018	25120732060	6.39	255131116
	2015	988128596686	41.93764	19779127977	6.36	258162113
	2016	1037863871681	37.43889	4541713739	3.53	261115456
	2017	1090459494379	39.53624	21464553719	3.81	263991379
Malaysia	2008	241038904256	176.6686	7572512432	5.44	27111069
	2009	237390711217	162.559	114664434.6	0.58	27605383
	2010	255016609233	157.9448	10885614182	1.62	28112289
	2011	268516966254	154.9377	15119371191	3.17	28635128
	2012	283214119400	147.8418	8895774251	1.66	29170456
	2013	296507404303	142.721	11296278696	2.11	29706724
	2014	314317779640	138.3122	10619431770	3.14	30228017
	2015	330321318804	133.4597	9857162233	2.10	30723155
	2016	344272143057	128.8244	13470089672	2.09	31187265
	2017	364573903325	135.8375	9511691608	3.87	31624264
Singapore	2008	206400733407	441.6038	12200705252	6.63	4839396
	2009	205155335534	360.9321	23821209700	0.60	4987573
	2010	236421782178	373.4445	55075864345	2.82	5076732
	2011	251436156949	379.6843	49155657316	5.25	5183688
	2012	261703043638	370.6861	56189355124	4.58	5312437
	2013	275078914558	365.6932	64481738991	2.36	5399162

	2014	285762669600	359.2539	69542638412	1.02	5469724
	2015	292166776678	329.0479	70595384867	-0.52	5535002
	2016	299170077008	310.2561	74253027405	-0.53	5607283
	2017	309995672901	322.4281	63633434111	0.58	5612253
Thailand	2008	319473585807	140.437	8561557725	5.47	66545760
	2009	317266875218	119.2696	6411458545	-0.85	66881867
	2010	341105009515	127.2505	14746672920	3.25	67208808
	2011	343970153354	139.6756	2473685996	3.81	67530130
	2012	368883177547	138.4792	12899036061	3.01	67843979
	2013	378796469985	133.4073	15935960663	2.18	68143065
	2014	382525395709	131.7855	4975455660	1.90	68416772
	2015	394078328227	125.8919	8927579181	-0.90	68657600
	2016	407014670810	122.1682	2810184390	0.19	68863514
	2017	422940667450	122.8028	8045508382	0.67	69037513
Vietnam	2008	103355590690	154.3175	9579000000	23.12	86707801
	2009	108934619581	134.7063	7600000000	7.05	87565407
	2010	115931749697	152.2174	8000000000	8.86	88472512
	2011	123166241860	162.9146	7430000000	18.68	89436644
	2012	129629226783	156.5539	8368000000	9.09	90451881
	2013	136657571782	165.0942	8900000000	6.59	91497725
	2014	144834688913	169.5345	9200000000	4.71	92544915
	2015	154508616052	178.7674	11800000000	0.88	93571567
	2016	164104855205	184.6863	12600000000	3.24	94569072
2017	175284081081	200.3846	14100000000	3.52	95540800	
Brunei	2008	13600124166	105.9138	222184549.5	2.08	379421
	2009	13360145141	108.5726	325586827.8	1.04	383906
	2010	13707370737	95.37186	480722547	0.36	388646
	2011	14220755409	99.53654	691170274.5	0.14	393688
	2012	14350568390	105.6379	864905527.5	0.11	398989
	2013	14045471214	110.9369	775641999.1	0.39	404421
	2014	13715438210	99.36945	567889727.2	-0.21	409769
	2015	13637697103	84.89706	171289167.8	-0.42	414907
	2016	13301457646	87.3198	150550827.3	-0.74	419800
	2017	13478200979	85.17686	467927550.3	-0.17	424473
Laos	2008	6109448405	81.84918	227770000	7.63	6046620
	2009	6567765473	76.93083	318598209.1	0.14	6148623
	2010	7127792630	84.72034	278805903.1	5.98	6249165
	2011	7700771123	91.6987	300743507.1	7.57	6347567
	2012	8318842593	98.18513	617755394.5	4.26	6444530

	2013	8986537875	98.17915	681397257.1	6.37	6541304
	2014	9670589853	99.05974	867646121.7	4.13	6639756
	2015	10373602257	85.79863	1077759915	1.28	6741164
	2016	11102149875	75.09182	935296172.8	1.60	6845846
	2017	11867393084	75.82659	1599365808	0.83	6953035
Cambodia	2008	10600425244	133.3203	815180218	25.00	13883834
	2009	10609615491	105.1385	928393617.3	-0.66	14093604
	2010	11242275199	113.6037	1404315449	4.00	14312212
	2011	12037055708	113.5818	1538883425	5.48	14541423
	2012	12917367180	120.5974	2003849202	2.93	14780454
	2013	13867654630	130.0465	2068470774	2.94	15026332
	2014	14858161722	129.6122	1853471158	3.86	15274503
	2015	15903594934	127.8641	1822804151	1.22	15521436
	2016	16995073301	126.95	2475915854	3.05	15766293
	2017	18201700723	124.7878	2788084322	2.89	16009414
Myanmar	2008	40874960812	0.183104	863880447.3	26.80	49929642
	2009	45187272895	0.167418	1078972201	1.47	50250367
	2010	49540813342	0.175003	901133534.9	7.72	50600818
	2011	52310879191	0.200367	2519813313	5.02	50990615
	2012	56146663570	22.38462	1333856137	1.47	51413698
	2013	60877582017	38.58076	2254603965	5.48	51852451
	2014	65742258214	42.25894	2175015284	5.05	52280807
	2015	70339509334	47.36	4083839112	9.49	52680726
	2016	74463144018	36.96324	3278096410	6.96	53045226
	2017	79495831533	47.95317	4684890471	4.57	53382581

Lampiran 2. Uji Asumsi Klasik

Uji Heteroskedastisitas

Heteroskedasticity Test: Breusch-Pagan-Godfrey

F-statistic	1.188338	Prob. F(4,95)	0.3210
Obs*R-squared	4.765106	Prob. Chi-Square(4)	0.3123
Scaled explained SS	90.26942	Prob. Chi-Square(4)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 09/14/19 Time: 14:53

Sample: 1 100

Included observations: 100

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	9.45E+24	1.35E+25	0.700535	0.4853
OP	1.36E+22	1.57E+22	0.869614	0.3867
LOG(FDI)	-1.59E+24	9.97E+23	-1.598920	0.1132
INFLASI	-1.97E+23	1.89E+23	-1.039780	0.3011
LOG(POP)	1.54E+24	8.02E+23	1.921351	0.0577

R-squared	0.047651	Mean dependent var	1.29E+24
Adjusted R-squared	0.007552	S.D. dependent var	8.37E+24
S.E. of regression	8.34E+24	Akaike info criterion	117.6533
Sum squared resid	6.61E+51	Schwarz criterion	117.7835
Log likelihood	-5877.663	Hannan-Quinn criter.	117.7060
F-statistic	1.188338	Durbin-Watson stat	2.124552
Prob(F-statistic)	0.320988		

Uji Multikolinearitas

	OP	LOG(FDI)	INFLASI	LOG(POP)
OP	1.000000	0.530813	-0.126605	-0.293754
LOG(FDI)	0.530813	1.000000	0.000837	0.460579
INFLASI	-0.126605	0.000837	1.000000	0.307138
LOG(POP)	-0.293754	0.460579	0.307138	1.000000

Lampiran 3. Model Regresi

Common Effect Model

Dependent Variable: LOG(GDP?)

Method: Pooled Least Squares

Date: 09/14/19 Time: 14:55

Sample: 2008 2017

Included observations: 10

Cross-sections included: 10

Total pool (balanced) observations: 100

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6.434364	1.256582	5.120529	0.0000
OP?	0.000134	0.001460	0.091440	0.9273
LOG(FDI?)	0.549831	0.092877	5.919968	0.0000
INFLASI?	-0.050931	0.017643	-2.886841	0.0048
LOG(POP?)	0.407126	0.074727	5.448161	0.0000
R-squared	0.757878	Mean dependent var		25.29022
Adjusted R-squared	0.747683	S.D. dependent var		1.546651
S.E. of regression	0.776901	Akaike info criterion		2.381698
Sum squared resid	57.33960	Schwarz criterion		2.511957
Log likelihood	-114.0849	Hannan-Quinn criter.		2.434416
F-statistic	74.34095	Durbin-Watson stat		0.450680
Prob(F-statistic)	0.000000			

Fixed Effect Model

Dependent Variable: LOG(GDP?)

Method: Pooled Least Squares

Date: 09/14/19 Time: 14:56

Sample: 2008 2017

Included observations: 10

Cross-sections included: 10

Total pool (balanced) observations: 100

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-34.91156	3.223626	-10.82991	0.0000
OP?	0.002641	0.000379	6.972823	0.0000
LOG(FDI?)	0.026978	0.010022	2.691806	0.0085
INFLASI?	-0.003762	0.001551	-2.426012	0.0174
LOG(POP?)	3.495172	0.195751	17.85519	0.0000
Fixed Effects (Cross)				
_PHILIPPINES--C	-3.980148			
_INDONESIA--C	-5.923168			
_MALAYSIA--C	0.213448			
_SINGAPORE--C	5.471672			
_THAILAND--C	-2.442575			
_VIETNAM--C	-4.548515			
_BRUNEI--C	12.36348			
_LAOS--C	2.202726			
_CAMBODIA--C	-0.371282			
_MYANMAR--C	-2.985643			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.998800	Mean dependent var	25.29022
Adjusted R-squared	0.998619	S.D. dependent var	1.546651
S.E. of regression	0.057483	Akaike info criterion	-2.745491
Sum squared resid	0.284166	Schwarz criterion	-2.380767
Log likelihood	151.2745	Hannan-Quinn criter.	-2.597880
F-statistic	5506.579	Durbin-Watson stat	0.377609
Prob(F-statistic)	0.000000		

Random Effect Model

Dependent Variable: LOG(GDP?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 09/14/19 Time: 14:57
 Sample: 2008 2017
 Included observations: 10
 Cross-sections included: 10
 Total pool (balanced) observations: 100
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	7.071758	1.158926	6.101995	0.0000
OP?	0.001740	0.000359	4.843746	0.0000
LOG(FDI?)	0.098059	0.008745	11.21347	0.0000
INFLASI?	-0.011572	0.001450	-7.982024	0.0000
LOG(POP?)	0.936294	0.069392	13.49288	0.0000
Random Effects (Cross)				
_PHILIPPINES--C	-0.359822			
_INDONESIA--C	-0.000179			
_MALAYSIA--C	0.774951			
_SINGAPORE--C	1.697935			
_THAILAND--C	0.237457			
_VIETNAM--C	-1.051861			
_BRUNEI--C	2.075758			
_LAOS--C	-0.964693			
_CAMBODIA--C	-1.445154			
_MYANMAR--C	-0.964392			

Effects Specification		S.D.	Rho
Cross-section random		0.410460	0.9808
Idiosyncratic random		0.057483	0.0192

Weighted Statistics			
R-squared	0.628929	Mean dependent var	1.118904
Adjusted R-squared	0.613305	S.D. dependent var	0.173735
S.E. of regression	0.108037	Sum squared resid	1.108831
F-statistic	40.25400	Durbin-Watson stat	0.761433
Prob(F-statistic)	0.000000		

Unweighted Statistics			
R-squared	0.443876	Mean dependent var	25.29022
Sum squared resid	131.7017	Durbin-Watson stat	0.006411

Lampiran 4. Pemilihan Model

Uji Chow Test

Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	1918.585618	(9,86)	0.0000
Cross-section Chi-square	530.718898	9	0.0000

Cross-section fixed effects test equation:

Dependent Variable: LOG(GDP?)

Method: Panel Least Squares

Date: 09/14/19 Time: 14:56

Sample: 2008 2017

Included observations: 10

Cross-sections included: 10

Total pool (balanced) observations: 100

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6.434364	1.256582	5.120529	0.0000
OP?	0.000134	0.001460	0.091440	0.9273
LOG(FDI?)	0.549831	0.092877	5.919968	0.0000
INFLASI?	-0.050931	0.017643	-2.886841	0.0048
LOG(POP?)	0.407126	0.074727	5.448161	0.0000
R-squared	0.757878	Mean dependent var		25.29022
Adjusted R-squared	0.747683	S.D. dependent var		1.546651
S.E. of regression	0.776901	Akaike info criterion		2.381698
Sum squared resid	57.33960	Schwarz criterion		2.511957
Log likelihood	-114.0849	Hannan-Quinn criter.		2.434416
F-statistic	74.34095	Durbin-Watson stat		0.450680
Prob(F-statistic)	0.000000			

Uji Hausman Test

Correlated Random Effects - Hausman Test

Pool: PANEL

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	244.576904	4	0.0000

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
OP?	0.002641	0.001740	0.000000	0.0000
LOG(FDI?)	0.026978	0.098059	0.000024	0.0000
INFLASI?	-0.003762	-0.011572	0.000000	0.0000
LOG(POP?)	3.495172	0.936294	0.033503	0.0000

Cross-section random effects test equation:

Dependent Variable: LOG(GDP?)

Method: Panel Least Squares

Date: 09/14/19 Time: 14:57

Sample: 2008 2017

Included observations: 10

Cross-sections included: 10

Total pool (balanced) observations: 100

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-34.91156	3.223626	-10.82991	0.0000
OP?	0.002641	0.000379	6.972823	0.0000
LOG(FDI?)	0.026978	0.010022	2.691806	0.0085
INFLASI?	-0.003762	0.001551	-2.426012	0.0174
LOG(POP?)	3.495172	0.195751	17.85519	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.998800	Mean dependent var	25.29022
Adjusted R-squared	0.998619	S.D. dependent var	1.546651
S.E. of regression	0.057483	Akaike info criterion	-2.745491
Sum squared resid	0.284166	Schwarz criterion	-2.380767
Log likelihood	151.2745	Hannan-Quinn criter.	-2.597880
F-statistic	5506.579	Durbin-Watson stat	0.377609
Prob(F-statistic)	0.000000		

Perpustakaan Universitas Muhammadiyah Yogyakarta menyatakan bahwa Skripsi atas:

Nama : Nala Maulina
NIK : 20150430120
Prodi : Ilmu Ekonomi
Judul : **ANALISIS PENGARUH KETERBUKAAN PERDAGANGAN,
PENANAMAN MODAL ASING, INFLASI, DAN POPULASI
TERHADAP PRODUK DOMESTIK BRUTO NEGARA
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