

LAMPIRAN

Data :

KAB	Tahun	Tingkat Kemiskinan (Povertiy %)	Industri Kecil (IK)	Infrastruktur jalan (%)	Porsi Anggaran Pendidikan (%)
BANTUL	2007	19.43	17911	51.02	46.63
	2008	18.54	17937	47.80	36.20
	2009	17.64	17317	51.31	43.60
	2010	16.09	17818	42.68	43.29
	2011	17.28	17669	44.79	47.61
	2012	16.97	17982	47.32	52.95
	2013	16.48	18317	49.88	47.71
	2014	15.89	18841	50.72	47.60
	2015	16.33	20423	57.25	44.25
Guung Kidul	2007	28.90	16108	37.24	44.69
	2008	25.96	16297	34.45	43.14
	2009	24.44	19571	36.80	51.77
	2010	22.05	19980	46.95	55.47
	2011	23.03	19974	46.70	60.26
	2012	22.72	20529	46.99	57.46
	2013	21.70	20897	55.30	55.11
	2014	20.83	21041	56.59	53.67
	2015	21.73	21872	61.61	49.66
Kulon Progo	2007	28.61	20376	49.70	42.16
	2008	26.85	20645	51.84	43.66
	2009	24.65	20523	44.17	52.40
	2010	23.15	21250	40.57	36.44
	2011	23.62	21091	44.30	54.60
	2012	23.32	21002	56.18	50.63
	2013	21.39	22219	62.88	49.33
	2014	20.64	22502	63.55	47.72
	2015	21.40	23188	68.99	43.60
SLEMAN	2007	12.56	14466	37.45	31.83
	2008	12.34	14720	29.55	38.87
	2009	11.45	11397	34.09	39.15
	2010	10.70	13474	34.75	40.94
	2011	10.61	11642	37.04	44.09
	2012	10.44	16441	28.32	46.98

	2013	9.68	16786	53.70	45.00
	2014	9.50	17031	51.55	43.31
	2015	9.46	17875	55.44	46.49
Yogyakarta	2007	9.78	5862	42.68	31.55
	2008	10.81	5950	43.90	32.96
	2009	10.05	2547	43.89	34.74
	2010	9.75	3016	43.95	36.47
	2011	9.62	3485	40.08	35.10
	2012	9.38	3935	44.92	36.67
	2013	8.82	4461	41.86	35.64
	2014	8.67	4873	52.09	31.62
	2015	8.75	5279	58.54	41.00

Hasil Regresi Data Panel dengan Menggunakan Eviews9

1. Model fixed effect

Dependent Variable: POVERTY?
 Method: Pooled Least Squares
 Date: 03/06/17 Time: 18:10
 Sample: 2007 2015
 Included observations: 9
 Cross-sections included: 5
 Total pool (balanced) observations: 45

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	30.51347	2.509245	12.16042	0.0000
IK?	-0.000371	0.000178	-2.084975	0.0440
INF?	-0.065089	0.033646	-1.934552	0.0607
AP?	-0.105891	0.046082	-2.297888	0.0273
Fixed Effects (Cross)				
_BANTUL--C	1.456972			
_GK--C	8.831168			
_KP--C	9.598153			
_SLEMAN--C	-7.204122			
_YK--C	-12.68217			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.962543	Mean dependent var	16.93356
Adjusted R-squared	0.955457	S.D. dependent var	6.354645
S.E. of regression	1.341161	Akaike info criterion	3.584759
Sum squared resid	66.55238	Schwarz criterion	3.905944
Log likelihood	-72.65709	Hannan-Quinn criter.	3.704494
F-statistic	135.8300	Durbin-Watson stat	1.166550
Prob(F-statistic)	0.000000		

2. Model Random

Dependent Variable: POVERTY?
 Method: Pooled EGLS (Cross-section random effects)
 Date: 03/06/17 Time: 18:11
 Sample: 2007 2015
 Included observations: 9
 Cross-sections included: 5
 Total pool (balanced) observations: 45
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	22.90024	2.363974	9.687179	0.0000
IK?	0.000296	0.000128	2.316940	0.0256
INF?	-0.139356	0.029999	-4.645338	0.0000
AP?	-0.091199	0.045748	-1.993494	0.0529
Random Effects (Cross)				
_BANTUL--C	-0.100748			
_GK--C	5.865496			
_KP--C	5.978076			
_SLEMAN--C	-6.843873			
_YK--C	-4.898951			
Effects Specification				
			S.D.	Rho
Cross-section random			2.188397	0.7270
Idiosyncratic random			1.341161	0.2730
Weighted Statistics				
R-squared	0.251854	Mean dependent var		3.389252
Adjusted R-squared	0.197112	S.D. dependent var		2.130058
S.E. of regression	1.908618	Sum squared resid		149.3558
F-statistic	4.600717	Durbin-Watson stat		0.711366
Prob(F-statistic)	0.007259			
Unweighted Statistics				
R-squared	0.171978	Mean dependent var		16.93356
Sum squared resid	1471.219	Durbin-Watson stat		0.072217

3. Model Common

Dependent Variable: POVERTY?
Method: Pooled Least Squares
Date: 03/06/17 Time: 19:33
Sample: 2007 2015
Included observations: 9
Cross-sections included: 5
Total pool (balanced) observations: 45

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IK?	0.000642	0.000137	4.683649	0.0000
INF?	-0.021252	0.063774	-0.333245	0.7406
AP?	0.175770	0.084941	2.069315	0.0447
R-squared	0.558161	Mean dependent var		16.93356
Adjusted R-squared	0.537121	S.D. dependent var		6.354645
S.E. of regression	4.323397	Akaike info criterion		5.830300
Sum squared resid	785.0539	Schwarz criterion		5.950744
Log likelihood	-128.1818	Hannan-Quinn criter.		5.875201
Durbin-Watson stat	0.175048			

Uji Chow

Redundant Fixed Effects Tests

Pool: PANELL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	97.731136	(4,37)	0.0000
Cross-section Chi-square	110.161304	4	0.0000

Cross-section fixed effects test equation:

Dependent Variable: POVERTY?

Method: Panel Least Squares

Date: 03/06/17 Time: 19:39

Sample: 2007 2015

Included observations: 9

Cross-sections included: 5

Total pool (balanced) observations: 45

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.697797	5.196948	0.903953	0.3713
IK?	0.000706	0.000155	4.566073	0.0000
INF?	-0.059512	0.076657	-0.776345	0.4420
AP?	0.089335	0.128021	0.697818	0.4892
R-squared	0.566795	Mean dependent var		16.93356
Adjusted R-squared	0.535097	S.D. dependent var		6.354645
S.E. of regression	4.332840	Akaike info criterion		5.855011
Sum squared resid	769.7134	Schwarz criterion		6.015603
Log likelihood	-127.7377	Hannan-Quinn criter.		5.914878
F-statistic	17.88111	Durbin-Watson stat		0.154079
Prob(F-statistic)	0.000000			

Uji hausmant

Correlated Random Effects - Hausman Test
 Pool: PANELL
 Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	45.034788	3	0.0000

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
IK?	-0.000371	0.000296	0.000000	0.0000
INF?	-0.065089	-0.139356	0.000232	0.0000
AP?	-0.105891	-0.091199	0.000031	0.0080

Cross-section random effects test equation:

Dependent Variable: POVERTY?

Method: Panel Least Squares

Date: 03/06/17 Time: 18:12

Sample: 2007 2015

Included observations: 9

Cross-sections included: 5

Total pool (balanced) observations: 45

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	30.51347	2.509245	12.16042	0.0000
IK?	-0.000371	0.000178	-2.084975	0.0440
INF?	-0.065089	0.033646	-1.934552	0.0607
AP?	-0.105891	0.046082	-2.297888	0.0273

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.962543	Mean dependent var	16.93356
Adjusted R-squared	0.955457	S.D. dependent var	6.354645
S.E. of regression	1.341161	Akaike info criterion	3.584759
Sum squared resid	66.55238	Schwarz criterion	3.905944
Log likelihood	-72.65709	Hannan-Quinn criter.	3.704494
F-statistic	135.8300	Durbin-Watson stat	1.166550
Prob(F-statistic)	0.000000		

Uji Asumsi Klasik

1. Uji multikolinieritas

	POVERTY__	IK	INF____	AP____
POVERTY__	1	0.745383623 4742491	0.197542018 1738251	0.587661368 2700316
IK	0.745383623 4742491	1	0.362304871 1958797	0.724097144 6241569
INF____	0.197542018 1738251	0.362304871 1958797	1	0.280560111 1068279
AP____	0.587661368 2700316	0.724097144 6241569	0.280560111 1068279	1

2. Uji heterokedastisitas

Heteroskedasticity Test: White

F-statistic	1.522698	Prob. F(3,41)	0.2230
Obs*R-squared	4.511145	Prob. Chi-Square(3)	0.2113
Scaled explained SS	4.882312	Prob. Chi-Square(3)	0.1806

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 03/06/17 Time: 19:55

Sample: 1 45

Included observations: 45

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	42.14956	16.65981	2.530014	0.0153
IK^2	6.01E-08	4.00E-08	1.503412	0.1404
INF____^2	-0.010815	0.005417	-1.996367	0.0526
AP____^2	-0.008564	0.008892	-0.963103	0.3411

R-squared	0.100248	Mean dependent var	17.10474
Adjusted R-squared	0.034412	S.D. dependent var	27.93248
S.E. of regression	27.44767	Akaike info criterion	9.547127
Sum squared resid	30888.35	Schwarz criterion	9.707719
Log likelihood	-210.8103	Hannan-Quinn criter.	9.606994
F-statistic	1.522698	Durbin-Watson stat	1.071357
Prob(F-statistic)	0.222977		

