

LAMPIRAN

Lampiran 1 : Data Panel Penelitian

NO	KABUPATEN KOTA	TAHUN	IPM Y	UMK (Rp) X1	KES (Rp) X2	PDK (Rp) X3	UMUM (Rp) X4
1	LAMPUNG BARAT	2010	60.93	767.500	44.566.216.944	158.038.243.470	90.657.852.723
		2011	61.92	855.000	66.293.100.200	255.070.156.000	80.005.324.800
		2012	62.51	975.000	63.533.248.782	289.898.931.746	94.098.391.068
		2013	63.21	1.150.000	84.485.798.600	316.267.486.087	134.193.893.884
		2014	63.54	1.225.350	66.894.503.592	290.555.628.700	105.676.120.000
		2015	64.37	1.590.000	85.235.991.150	298.229.785.600	143.606.396.300
		2016	65.45	1.763.000	84.936.478.270	284.631.287.837	161.115.510.849
2	TANGGAMUS	2010	60.09	767.500	58.785.113.800	212.583.655.715	92.234.701.613
		2011	60.63	855.000	73.097.424.537	324.796.602.937	120.821.278.168
		2012	61.14	975.000	83.221.562.200	368.256.978.792	129.490.509.673
		2013	61.89	1.150.000	88.244.464.840	395.801.356.131	191.182.858.951
		2014	62.67	1.399.037	93.431.420.486	419.259.770.189	265.581.702.074
		2015	63.66	1.581.000	116.528.800.362	452.867.651.026	241.212.289.267
		2016	64.41	1.763.000	109.614.189.051	486.475.531.863	196.687.650.600
3	LAMPUNG SELATAN	2010	61.07	767.500	59.550.944.650	299.749.830.165	65.855.276.113
		2011	61.95	855.000	73.299.055.075	432.510.760.700	106.871.885.200
		2012	62.68	975.000	98.494.599.650	517.572.825.315	91.183.590.817
		2013	63.35	1.150.000	112.279.835.850	493.523.218.625	145.514.378.045
		2014	63.75	1.402.500	131.040.725.750	532.896.300.750	301.164.060.950
		2015	65.22	1.595.000	124.659.510.250	647.177.072.950	337.999.257.750
		2016	66.19	1.800.500	160.333.287.447	761.457.845.150	438.936.447.379
4	LAMPUNG TIMUR	2010	63.23	767.500	68.567.924.800	378.350.586.806	71.384.609.475
		2011	64.10	855.000	78.994.817.550	496.018.460.175	80.494.975.046
		2012	65.10	975.000	92.177.523.605	598.740.298.377	129.105.083.318
		2013	66.07	1.150.000	93.027.383.334	659.896.098.363	173.240.149.838
		2014	66.42	1.225.350	129.420.009.187	687.430.673.058	221.015.162.715
		2015	67.10	1.581.000	139.404.022.127	794.129.349.559	238.649.026.496
		2016	67.88	1.763.000	154.937.014.511	875.328.026.060	342.157.357.328

5	LAMPUNG TENGAH	2010	64.14	776.500	66.576.620.158	681.081.265.740	88.314.426.299
		2011	64.71	863.500	94.367.797.259	713.830.007.005	108.112.751.807
		2012	65.60	982.000	89.463.223.441	778.762.717.534	141.383.854.127
		2013	66.57	1.154.000	100.758.917.421	820.502.729.833	267.912.428.822
		2014	67.07	1.400.000	124.001.703.421	969.277.661.562	383.839.657.322
		2015	67.61	1.588.000	119.308.014.443	1043.520.610.963	359.200.585.941
		2016	68.33	1.770.000	157.424.226.323	1.386.527.654.986	477.213.148.843
6	LAMPUNG UTARA	2010	61.82	767.500	52.950.518.875	254.851.641.707	98.800.559.463
		2011	62.67	855.000	58.741.230.169	388.084.070.238	119.871.767.465
		2012	62.93	975.000	54.041.538.229	358.804.507.115	151.518.039.283
		2013	64.00	1.150.000	80.375.569.161	464.073.278.610	219.079.147.906
		2014	64.89	1.225.350	88.847.910.430	538.301.782.814	235.830.855.260
		2015	65.20	1.581.000	95.076.762.854	574.511.043.835	242.827.284.456
		2016	65.95	1.763.000	107.455.907.006	616.066.466.978	325.703.856.947
7	WAY KANAN	2010	61.27	776.500	41.795.212.418	152.576.989.348	59.248.701.422
		2011	62.04	866.000	48.558.090.313	218.107.096.636	65.790.300.871
		2012	62.79	983.500	47.925.220.914	225.405.612.618	81.201.933.616
		2013	63.92	1.160.000	62.668.177.698	250.185.513.807	108.125.184.705
		2014	64.32	1.408.000	71.644.882.637	231.825.502.933	184.414.919.214
		2015	65.18	1.558.500	93.879.546.789	260.789.365.789	210.786.397.036
		2016	65.74	1.763.000	95.038.167.647	275.864.742.906	258.637.349.918
8	TULANG BAWANG	2010	63.21	767.500	24.914.172.410	103.879.814.118	82.299.763.698
		2011	63.67	855.000	61.560.715.504	150.960.006.800	103.394.131.320
		2012	64.11	983.500	74.628.440.236	167.358.334.945	123.769.216.331
		2013	64.91	1.155.000	76.316.399.101	201.656.610.485	104.721.801.228
		2014	65.83	1.401.000	91.024.617.746	206.395.974.259	145.211.904.556
		2015	66.08	1.585.000	95.135.787.640	227.052.961.625	182.842.560.969
		2016	66.74	1.771.000	93.738.329.528	229.698.070.132	264.261.114.056
9	PESAWARAN	2010	58.64	767.500	24.941.690.539	192.003.912.445	68.439.450.192
		2011	59.44	855.000	24.363.371.000	267.632.360.400	81.139.756.900
		2012	59.98	975.000	43.149.578.224	269.058.718.302	120.910.731.219
		2013	60.94	1.150.000	52.573.844.908	317.310.862.086	241.535.883.422
		2014	61.70	1.225.350	54.517.738.650	329.852.644.694	332.441.063.870
		2015	62.70	1.581.000	58.657.885.397	351.454.627.849	358.687.609.856
		2016	63.47	1.763.000	78.974.683.975	426.493.927.407	369.161.546.131
10	PRINGSEWU	2010	63.78	767.000	25.511.350.065	179.167.556.984	47.913.910.892
		2011	64.86	855.000	50.925.353.423	293.708.703.572	62.165.217.066
		2012	65.37	975.000	61.704.674.892	418.422.091.354	93.452.479.952
		2013	66.14	1.150.000	68.040.494.844	390.683.422.126	131.536.054.606
		2014	66.58	1.225.400	78.483.119.527	402.767.360.702	131.409.493.933

		2015	67.55	1.581.000	89.209.833.547	454.201.122.982	140.584.045.492
		2016	68.26	1.763.000	93.986.455.290	629.361.207.475	241.672.450.325
11	MESUJI	2010	56.83	765.500	12.878.686.677	50.470.804.345	96.103.754.246
		2011	57.32	855.000	22.850.232.563	87.055.753.687	120.530.175.000
		2012	57.67	975.000	32.566.187.323	96.376.836.023	106.611.035.745
		2013	58.16	1.150.000	34.781.868.767	113.609.536.404	145.489.449.872
		2014	58.71	1.422.500	44.957.552.328	124.385.578.650	185.930.630.276
		2015	59.79	1.581.000	46.992.076.245	166.730.428.855	259.738.053.760
		2016	60.72	1.763.000	58.636.535.249	257.659.738.563	195.705.848.298
12	TULANG BAWANG BARAT	2010	59.89	767.500	18.633.836.013	92.085.705.352	83.069.387.492
		2011	60.13	855.000	24.228.675.432	160.929.300.238	106.308.977.450
		2012	60.77	975.000	34.352.246.774	185.717.664.274	109.836.397.652
		2013	61.46	1.150.000	39.000.161.105	182.359.507.381	145.402.158.635
		2014	62.46	1.408.000	36.998.225.161	206.080.747.868	140.886.888.296
		2015	63.01	1.581.000	56.527.217.276	236.082.037.205	181.046.124.139
		2016	63.77	1.792.000	63.427.965.397	241.374.865.730	250.893.673.593
13	KOTA BANDAR LAMPUNG	2010	71.11	767.500	61.084.622.209	400.415.383.824	82.756.140.523
		2011	72.04	865.000	81.132.789.449	536.895.103.296	93.075.413.817
		2012	72.88	981.000	139.943.463.846	614.404.299.015	268.030.537.895
		2013	73.93	1.165.000	147.947.232.329	676.045.585.964	361.162.761.642
		2014	74.34	1.422.500	195.792.533.695	803.979.241.760	362.966.378.301
		2015	74.81	1.649.500	241.854.510.884	823.517.948.657	351.590.909.876
		2016	75.34	1.870.000	268.675.437.737	851.905.113.794	365.484.363.878
14	KOTA METRO	2010	71.37	767.500	46.460.976.346	112.261.941.978	57.312.634.388
		2011	72.23	855.000	54.973.741.860	175.114.920.817	76.413.248.757
		2012	72.86	975.000	70.264.149.424	208.597.465.928	61.496.343.111
		2013	74.27	1.150.000	85.813.142.385	266.915.119.403	64.967.973.947
		2014	74.98	1.400.500	100.041.307.449	298.235.521.615	103.409.784.418
		2015	75.10	1.582.000	103.789.476.580	381.974.663.839	148.696.820.984
		2016	75.45	1.764.000	162.940.178.349	407.895.172.964	185.734.441.563

Lampiran 2 : Model Regresi Data Panel

Fixed Effect Model

Dependent Variable: LOG(IPM?)
 Method: Pooled Least Squares
 Date: 11/29/17 Time: 21:33
 Sample: 2010 2016
 Included observations: 7
 Cross-sections included: 14
 Total pool (balanced) observations: 98

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.991509	0.049482	60.45676	0.0000
LOG(UMK?)	0.064031	0.004722	13.55970	0.0000
LOG(KES?)	-0.006716	0.003539	-1.897826	0.0613
LOG(PDK?)	0.011123	0.003780	2.942311	0.0043
LOG(UMUM?)	0.006092	0.002166	2.813089	0.0062
Fixed Effects (Cross)				
_LAMPUNGBARAT--C	-0.019518			
_TANGGAMUS--C	-0.042243			
_LAMPUNGSELATAN--C	-0.023022			
_LAMPUNGTIMUR--C	0.011570			
_LAMPUNGTENGAH--C	0.012964			
_LAMPUNGUTARA--C	-0.015232			
_WAYKANAN--C	-0.012848			
_TULANGBAWANG--C	0.010598			
_PESAWARAN--C	-0.061605			
_PRINGSEWU--C	0.021885			
_MESUJI--C	-0.095197			
_TULANGBAWANGBARAT--C	-0.046032			
_KOTABANDARLAMPU NG--C	0.120469			
_KOTAMETRO--C	0.138210			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.996341	Mean dependent var	4.169444
Adjusted R-squared	0.995564	S.D. dependent var	0.066396
S.E. of regression	0.004422	Akaike info criterion	-7.839932
Sum squared resid	0.001565	Schwarz criterion	-7.365142
Log likelihood	402.1567	Hannan-Quinn criter.	-7.647889
F-statistic	1281.541	Durbin-Watson stat	1.419459
Prob(F-statistic)	0.000000		

Random Effect Model

Dependent Variable: LOG(IPM?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 11/29/17 Time: 21:30
 Sample: 2010 2016
 Included observations: 7
 Cross-sections included: 14
 Total pool (balanced) observations: 98
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.979938	0.050513	58.99403	0.0000
LOG(UMK?)	0.063133	0.004697	13.44186	0.0000
LOG(KES?)	-0.005960	0.003530	-1.688224	0.0947
LOG(PDK?)	0.011498	0.003749	3.066901	0.0028
LOG(UMUM?)	0.005907	0.002162	2.731787	0.0075
Random Effects (Cross)				
_LAMPUNGBARAT--C	-0.019456			
_TANGGAMUS--C	-0.042357			
_LAMPUNGSELATAN--C	-0.023404			
_LAMPUNGTIMUR--C	0.011026			
_LAMPUNGTENGAH--C	0.012365			
_LAMPUNGUTARA--C	-0.015325			
_WAYKANAN--C	-0.012632			
_TULANGBAWANG--C	0.010828			
_PESAWARAN--C	-0.061107			
_PRINGSEWU--C	0.021835			
_MESUJI--C	-0.094080			
_TULANGBAWANGBARAT--C	-0.045239			
_KOTABANDARLAMPUNG--C	0.119614			
_KOTAMETRO--C	0.137931			
Effects Specification				
			S.D.	Rho
Cross-section random			0.045003	0.9904
Idiosyncratic random			0.004422	0.0096
Weighted Statistics				
R-squared	0.958793	Mean dependent var		0.154749
Adjusted R-squared	0.957021	S.D. dependent var		0.022752
S.E. of regression	0.004717	Sum squared resid		0.002069
F-statistic	540.9790	Durbin-Watson stat		1.052266
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	0.143626	Mean dependent var		4.169444
Sum squared resid	0.366203	Durbin-Watson stat		0.005946

Common Effect Model

Dependent Variable: LOG(IPM?)

Method: Pooled Least Squares

Date: 11/30/17 Time: 12:44

Sample: 2010 2016

Included observations: 7

Cross-sections included: 14

Total pool (balanced) observations: 98

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LOG(UMK?)	0.118460	0.039237	3.019066	0.0033
LOG(KES?)	0.119348	0.024588	4.853836	0.0000
LOG(PDK?)	0.020975	0.019404	1.080990	0.2825
LOG(UMUM?)	-0.039793	0.021527	-1.848477	0.0677
R-squared	0.110312	Mean dependent var		4.169444
Adjusted R-squared	0.081918	S.D. dependent var		0.066396
S.E. of regression	0.063619	Akaike info criterion		-2.631860
Sum squared resid	0.380449	Schwarz criterion		-2.526352
Log likelihood	132.9612	Hannan-Quinn criter.		-2.589184
Durbin-Watson stat	0.253521			

Lampiran 3 : Pemilihan Model

Uji Chow (*likelihood ratio*)

Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	756.525028	(13,80)	0.0000
Cross-section Chi-square	472.336460	13	0.0000

Cross-section fixed effects test equation:

Dependent Variable: LOG(IPM?)

Method: Panel Least Squares

Date: 11/29/17 Time: 21:33

Sample: 2010 2016

Included observations: 7

Cross-sections included: 14

Total pool (balanced) observations: 98

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.351769	0.248621	9.459241	0.0000
LOG(UMK?)	0.031492	0.029624	1.063040	0.2905
LOG(KES?)	0.109394	0.017679	6.187738	0.0000
LOG(PDK?)	-0.005926	0.014214	-0.416892	0.6777
LOG(UMUM?)	-0.046575	0.015467	-3.011187	0.0034
R-squared	0.546568	Mean dependent var		4.169444
Adjusted R-squared	0.527066	S.D. dependent var		0.066396
S.E. of regression	0.045661	Akaike info criterion		-3.285478
Sum squared resid	0.193897	Schwarz criterion		-3.153592
Log likelihood	165.9884	Hannan-Quinn criter.		-3.232133
F-statistic	28.02564	Durbin-Watson stat		0.223149
Prob(F-statistic)	0.000000			

Uji Hausman

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	16.803935	4	0.0021

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(UMK?)	0.064031	0.063133	0.000000	0.0665
LOG(KES?)	-0.006716	-0.005960	0.000000	0.0026
LOG(PDK?)	0.011123	0.011498	0.000000	0.4378
LOG(UMUM?)	0.006092	0.005907	0.000000	0.1140

Cross-section random effects test equation:

Dependent Variable: LOG(IPM?)

Method: Panel Least Squares

Date: 11/29/17 Time: 21:32

Sample: 2010 2016

Included observations: 7

Cross-sections included: 14

Total pool (balanced) observations: 98

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.991509	0.049482	60.45676	0.0000
LOG(UMK?)	0.064031	0.004722	13.55970	0.0000
LOG(KES?)	-0.006716	0.003539	-1.897826	0.0613
LOG(PDK?)	0.011123	0.003780	2.942311	0.0043
LOG(UMUM?)	0.006092	0.002166	2.813089	0.0062

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.996341	Mean dependent var	4.169444
Adjusted R-squared	0.995564	S.D. dependent var	0.066396
S.E. of regression	0.004422	Akaike info criterion	-7.839932
Sum squared resid	0.001565	Schwarz criterion	-7.365142
Log likelihood	402.1567	Hannan-Quinn criter.	-7.647889
F-statistic	1281.541	Durbin-Watson stat	1.419459
Prob(F-statistic)	0.000000		

Lampiran 4 : Uji Asumsi Klasik

Uji Heteroskedastisitas

Dependent Variable: RESID?
 Method: Pooled Least Squares
 Date: 11/29/17 Time: 21:46
 Sample: 2010 2016
 Included observations: 7
 Cross-sections included: 14
 Total pool (balanced) observations: 98

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.002494	0.024478	-0.101897	0.9191
LOG(UMK?)	0.004307	0.002336	1.843678	0.0689
LOG(KES?)	-0.000905	0.001751	-0.516797	0.6067
LOG(PDK?)	-0.001034	0.001870	-0.552919	0.5819
LOG(UMUM?)	-0.000167	0.001071	-0.155965	0.8765
Fixed Effects (Cross)				
_LAMPUNGBARAT--C	-0.000804			
_TANGGAMUS--C	0.000672			
_LAMPUNGSELATAN--C	0.001419			
_LAMPUNGTIMUR--C	0.000646			
_LAMPUNGTENGAH--C	0.001039			
_LAMPUNGUTARA--C	-0.000167			
_WAYKANAN--C	-0.000498			
_TULANGBAWANG--C	-0.001620			
_PESAWARAN--C	0.000719			
_PRINGSEWU--C	-0.001182			
_MESUJI--C	-0.001222			
_TULANGBAWANGBARAT--C	-0.002133			
_KOTABANDARLAMPU NG--C	0.001828			
_KOTAMETRO--C	0.001303			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.217269	Mean dependent var	0.003313
Adjusted R-squared	0.050938	S.D. dependent var	0.002246
S.E. of regression	0.002188	Akaike info criterion	-9.247597
Sum squared resid	0.000383	Schwarz criterion	-8.772807
Log likelihood	471.1322	Hannan-Quinn criter.	-9.055554
F-statistic	1.306249	Durbin-Watson stat	2.220228
Prob(F-statistic)	0.210442		

Uji Multikolinearitas

	UMK	KES	PDK	UMUM
UMK	1.000000	0.585251	0.389215	0.743908
KES	0.585251	1.000000	0.760227	0.676305
PDK	0.389215	0.760227	1.000000	0.671061
UMUM	0.743908	0.676305	0.671061	1.000000