

LAMPIRAN

LAMPIRAN 1

INDEKS WILLIAMSON

Kabupaten / Kota	2011									
	Yi	Y	fi	n	(Yi-Y)	(fi/n)	(Yi-Y) ²	$\frac{(fi/n)}{(Yi-Y)^2}$	$\frac{\sqrt{(fi/n)}}{(Yi-Y)^2}$	$\frac{\sqrt{(fi/n)}}{(Yi-Y)^2/Y}$
Kulon Progo	13444,14631	19520,40604	390.207	3.487.325	-6076,25973	0,111892927	36.920.932	4.131.191	2.033	0,10412351
Bantul	13816,90136	19520,40604	921.263	3.487.325	-5703,50468	0,26417469	32.529.966	8.593.594	2.931	0,150175317
Gunung Kidul	13640,15823	19520,40604	677.998	3.487.325	-5880,24781	0,194417784	34.577.314	6.722.445	2.593	0,132823456
Sleman	20450,57184	19520,40604	1.107.304	3.487.325	930,1658	0,317522456	865.208	274.723	524	0,026850894
Kota Yogyakarta	46615,95225	19520,40604	390.553	3.487.325	27095,54621	0,111992143	734.168.624	82.221.118	9.068	0,464518314

Kabupaten / Kota	2012									
	Yi	Y	fi	n	(Yi-Y)	(fi/n)	(Yi-Y) ²	(fi/n). (Yi-Y) ²	$\sqrt{(fi/n)}$. (Yi-Y) ²	$\sqrt{(fi/n)}$. (Yi-Y) ² /Y
Kulon Progo	13733,09387	20189,66002	398.672	3.552.462	-6456,56615	0,112224142	41.687.246	4.678.315	2.163	0,107131145
Bantul	14344,03867	20190,66002	934.674	3.552.462	-5846,62135	0,263105981	34.182.981	8.993.747	2.999	0,148531926
Gunung Kidul	13998,40307	20191,66002	692.579	3.552.462	-6193,25695	0,194957469	38.356.432	7.477.873	2.735	0,135430665
Sleman	21220,73479	20192,66002	1.128.943	3.552.462	1028,07477	0,317791717	1.056.938	335.886	580	0,028701359
Kota Yogyakarta	48262,80075	20193,66002	397.594	3.552.462	28069,14073	0,11192069	787.876.661	88.179.700	9.390	0,465017469

Kabupaten / Kota	2013									
	Yi	Y	fi	n	(Yi-Y)	(fi/n)	(Yi-Y) ²	(fi/n). (Yi-Y) ²	$\sqrt{(fi/n)}$. (Yi-Y) ²	$\sqrt{(fi/n)}$. (Yi-Y) ² /Y
Kulon Progo	14239,3329	21047,30818	403.179	3.594.854	-6807,9753	0,112154485	46.348.527	5.198.195	2.280	0,108325258
Bantul	14928,11529	21047,30818	947.072	3.594.854	-6119,1929	0,263452146	37.444.522	9.864.840	3.141	0,149227359
Gunung Kidul	14534,60556	21047,30818	700.191	3.594.854	-6512,7026	0,194775921	42.415.295	8.261.478	2.874	0,136562771
Sleman	22217,97916	21047,30818	1.141.733	3.594.854	1170,6710	0,31760205	1.370.471	435.264	660	0,031345842
Kota Yogyakarta	50260,87777	21047,30818	402.679	3.594.854	29213,5696	0,112015398	853.432.648	95.597.597	9.777	0,464544079

Kabupaten / Kota	2014									
	Yi	Y	fi	n	(Yi-Y)	(fi/n)	(Yi-Y) ²	(fi/n). (Yi-Y) ²	$\sqrt{(fi/n).}$ (Yi-Y) ²	$\sqrt{(fi/n).}$ (Yi-Y) ² /Y
Kulon Progo	14723,73678	21867,87554	407.709	3.637.116	-7144,13876	0,112096782	51.038.719	5.721.276	2.392	0,109380489
Bantul	15478,74031	21867,87554	959.445	3.637.116	-6389,13523	0,263792796	40.821.049	10.768.299	3.282	0,150060695
Gunung Kidul	15032,62249	21867,87554	707.794	3.637.116	-6835,25305	0,194603087	46.720.684	9.091.989	3.015	0,137886855
Kota Yogyakarta	52268,15023	21867,87554	407.667	3.637.116	30400,27469	0,112085235	924.176.701	103.586.562	10.178	0,46542008

Kabupaten / Kota	2015									
	Yi	Y	fi	n	(Yi-Y)	(fi/n)	(Yi-Y) ²	(fi/n).(Yi-Y) ²	$\frac{\sqrt{(fi/n)} \cdot (Yi-Y)^2}{2}$	$\frac{\sqrt{(fi/n)} \cdot (Yi-Y)^2}{Y}$
Kulon Progo	15240,24862	22688,23237	412.198	3.679.176	-7447,98375	0,112035412	55.472.462	6.214.880	2.493	0,109879258
Bantul	16046,13844	22688,23237	971.511	3.679.176	-6642,09393	0,26405668	44.117.412	11.649.497	3.413	0,1504364
Gunung Kidul	15591,0536	22688,23237	715.282	3.679.176	-7097,17877	0,19441364	50.369.946	9.792.605	3.129	0,137926733
Sleman	24067,20109	22688,23237	1.167.481	3.679.176	1378,96872	0,317321324	1.901.555	603.404	777	0,034237605
Kota Yogyakarta	54259,22695	22688,23237	412.704	3.679.176	31570,99458	0,112172943	996.727.699	111.805.879	10.574	0,466049085

Kabupaten / Kota	2016									
	Yi	Y	fi	n	(Yi-Y)	(fi/n)	(Yi-Y) ²	(fi/n). (Yi-Y) ²	$\sqrt{(fi/n).}$ $(Yi-Y)^2$	$\sqrt{(fi/n).}$ $(Yi-Y)^2/Y$
Kulon Progo	15793,78088	23566,26547	416.683	3.720.912	-7772,48459	0,111984105	60.411.517	6.765.130	2.601	0,110369048
Bantul	16652,31356	23566,26547	983.527	3.720.912	-6913,95191	0,264324176	47.802.731	12.635.418	3.555	0,150835662
Gunung Kidul	16190,08995	23566,26547	722.479	3.720.912	-7376,17552	0,194167183	54.407.965	10.564.241	3.250	0,137920363
Sleman	25052,54223	23566,26547	1.180.479	3.720.912	1486,27676	0,317255286	2.209.019	700.823	837	0,035523304
Kota Yogyakarta	56345,51304	23566,26547	417.744	3.720.912	32779,24757	0,11226925	1.074.479.071	120.630.960	10.983	0,46605656

Kabupaten / Kota	2017									
	Yi	Y	fi	n	(Yi-Y)	(fi/n)	(Yi-Y) ²	(fi/n). (Yi-Y) ²	$\sqrt{(fi/n).}$ $\frac{(Yi-Y)^2}{2}$	$\sqrt{(fi/n).}$ $\frac{(Yi-Y)^2}{Y}$
Kulon Progo	15841,63116	24533,99862	421.295	3.762.167	-8692,36746	0,111982004	75.557.252	8.461.053	2.909	0,118561547
Bantul	17293,90393	24533,99862	995.264	3.762.167	-7240,09469	0,264545407	52.418.971	13.867.198	3.724	0,15178401
Gunung Kidul	16837,02006	24533,99862	729.464	3.762.167	-7696,97856	0,193894636	59.243.479	11.486.993	3.389	0,138144894
Sleman	26104,47151	24533,99862	1.193.512	3.762.167	1570,47289	0,317240569	2.466.385	782.437	885	0,03605425
Kota Yogyakarta	58599,7748	24533,99862	422.732	3.762.167	34065,77618	0,112363965	1.160.477.107	130.395.809	11.419	0,465439759

LAMPIRAN 2**DATA PENELITIAN**

Kab/Kota	Tahun	IW	UMKM	TPAK	PE	IPM
Kulonprogo	2011	0.104	102973	75.17	4.23	69.43
	2012	0.107	103377	75.40	4.37	69.74
	2013	0.108	103623	75.61	4.87	70.14
	2014	0.109	111447	82.33	4.55	70.68
	2015	0.109	114838	72.62	4.64	71.52
	2016	0.110	120503	80.20	4.76	71.52
	2017	0.118	34696	74.61	5.97	72.38
Bantul	2011	0.150	18200	70.96	5.07	75.79
	2012	0.148	18604	71.26	5.33	76.13
	2013	0.149	18917	66.78	5.46	76.78
	2014	0.150	20345	74.26	5.15	77.11
	2015	0.150	21664	67.84	5.00	77.99
	2016	0.150	22001	69.27	5.06	78.42
	2017	0.151	46378	72.21	5.10	78.67
GunungKidul	2011	0.132	37131	75.93	4.52	64.83
	2012	0.135	37535	80.43	4.84	65.69
	2013	0.136	37825	77.87	4.97	66.31
	2014	0.137	40680	83.57	4.54	67.03

	2015	0.137	42479	70.77	4.81	67.41
	2016	0.137	43977	75.14	4.89	67.82
	2017	0.138	38430	74.50	5.00	68.73
Sleman	2011	0.026	26000	66.07	5.42	80.04
	2012	0.028	26404	66.44	5.79	80.10
	2013	0.031	26617	65.67	5.89	80.26
	2014	0.032	28627	76.55	5.41	80.73
	2015	0.034	30599	65.45	5.31	81.2
	2016	0.035	30949	69.67	5.25	81.15
	2017	0.036	31220	70.17	5.39	82.85
KotaYogyakarta	2011	0.464	17671	67.05	5.84	82.98
	2012	0.465	18075	67.28	5.40	83.29
	2013	0.464	18228	64.38	5.47	83.61
	2014	0.465	19604	81.02	5.30	83.78
	2015	0.466	20647	66.70	5.16	84.56
	2016	0.466	21189	71.05	5.11	85.32
	2017	0.465	23987	65.72	5.24	85.49

LAMPIRAN 3

HASIL PEMILIHAN MODEL

Common Effect Model

Dependent Variable: IW?

Method: Pooled Least Squares

Date: 02/08/19 Time: 20:43

Sample: 2011 2017

Included observations: 7

Cross-sections included: 5

Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LOG(UMKM?)	-0.087082	0.036008	-2.418400	0.0217
TPAK?	0.007262	0.004728	1.536198	0.1346
PE?	-0.123918	0.063815	-1.941821	0.0613
IPM?	0.015745	0.004230	3.722206	0.0008
R-squared	0.369699	Mean dependent var		0.178343
Adjusted R-squared	0.308702	S.D. dependent var		0.151230
S.E. of regression	0.125740	Akaike info criterion		-1.201997
Sum squared resid	0.490124	Schwarz criterion		-1.024243
Log likelihood	25.03495	Hannan-Quinn criter.		-1.140637
Durbin-Watson stat	0.290304			

Fixed Effect Model

Dependent Variable: IW?

Method: Pooled Least Squares

Date: 02/08/19 Time: 20:28

Sample: 2011 2017

Included observations: 7

Cross-sections included: 5

Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.054974	0.025734	2.136242	0.0422
LOG(UMKM?)	-0.003421	0.001634	-2.093890	0.0462
TPAK?	0.000138	7.26E-05	1.899588	0.0686
PE?	0.001359	0.001303	1.043175	0.3065
IPM?	0.001871	0.000281	6.662386	0.0000
Fixed Effects (Cross)				
_KULONPROGO--C	-0.056009			
_BANTUL--C	-0.032274			
_GUNUNGKIDUL--C	-0.024907			
_SLEMAN--C	-0.156449			
_KOTAYOGYAKART A--C	0.269639			
Effects Specification				

Cross-section fixed (dummy variables)

R-squared	0.999915	Mean dependent var	0.178343
Adjusted R-squared	0.999889	S.D. dependent var	0.151230
S.E. of regression	0.001591	Akaike info criterion	-9.831330
Sum squared resid	6.58E-05	Schwarz criterion	-9.431383
Log likelihood	181.0483	Hannan-Quinn criter.	-9.693268
F-statistic	38375.49	Durbin-Watson stat	1.094477
Prob(F-statistic)	0.000000		

Chow Test

Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	47818.237911	(4,26)	0.0000
Cross-section Chi-square	311.622365	4	0.0000

Cross-section fixed effects test equation:

Dependent Variable: IW?

Method: Panel Least Squares

Date: 02/08/19 Time: 20:22

Sample: 2011 2017

Included observations: 7

Cross-sections included: 5

Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.619649	1.049600	0.590367	0.5594
LOG(UMKM?)	-0.109195	0.052224	-2.090897	0.0451
TPAK?	0.005455	0.005674	0.961396	0.3440
PE?	-0.149892	0.078074	-1.919876	0.0644
IPM?	0.014100	0.005103	2.763018	0.0097
R-squared	0.376937	Mean dependent var		0.178343
Adjusted R-squared	0.293862	S.D. dependent var		0.151230
S.E. of regression	0.127082	Akaike info criterion		-1.156405
Sum squared resid	0.484495	Schwarz criterion		-0.934213
Log likelihood	25.23709	Hannan-Quinn criter.		-1.079704
F-statistic	4.537309	Durbin-Watson stat		0.246991
Prob(F-statistic)	0.005509			

Random Effect Model

Dependent Variable: IW?

Method: Pooled EGLS (Cross-section random effects)

Date: 02/08/19 Time: 20:41

Sample: 2011 2017

Included observations: 7

Cross-sections included: 5

Total pool (balanced) observations: 35

Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.619649	0.013144	47.14304	0.0000
LOG(UMKM?)	-0.109195	0.000654	-166.9660	0.0000
TPAK?	0.005455	7.11E-05	76.77106	0.0000
PE?	-0.149892	0.000978	-153.3094	0.0000
IPM?	0.014100	6.39E-05	220.6374	0.0000

Random Effects (Cross)

_KULONPROGO--C	2.46E-08
_BANTUL--C	-4.84E-08
_GUNUNGKIDUL--C	1.91E-08
_SLEMAN--C	-1.03E-07
_KOTAYOGYAKARTA A--C	1.08E-07

Effects Specification

	S.D.	Rho
Cross-section random	4.84E-07	0.0000
Idiosyncratic random	0.001591	1.0000

Weighted Statistics

R-squared	0.376937	Mean dependent var	0.178343
Adjusted R-squared	0.293862	S.D. dependent var	0.151230
S.E. of regression	0.127082	Sum squared resid	0.484495
F-statistic	4.537308	Durbin-Watson stat	0.246991
Prob(F-statistic)	0.005509		

Unweighted Statistics

R-squared	0.376937	Mean dependent var	0.178343
Sum squared resid	0.484495	Durbin-Watson stat	0.246991

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	191272.842907	4	0.0000

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(UMKM?)	-0.003421	-0.109195	0.000002	0.0000
TPAK?	0.000138	0.005455	0.000000	0.0000
PE?	0.001359	-0.149892	0.000001	0.0000
IPM?	0.001871	0.014100	0.000000	0.0000

Cross-section random effects test equation:

Dependent Variable: IW?

Method: Panel Least Squares

Date: 02/08/19 Time: 20:24

Sample: 2011 2017

Included observations: 7

Cross-sections included: 5

Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
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C	0.054974	0.025734	2.136242	0.0422
LOG(UMKM?)	-0.003421	0.001634	-2.093890	0.0462
TPAK?	0.000138	7.26E-05	1.899588	0.0686
PE?	0.001359	0.001303	1.043175	0.3065
IPM?	0.001871	0.000281	6.662386	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999915	Mean dependent var	0.178343
Adjusted R-squared	0.999889	S.D. dependent var	0.151230
S.E. of regression	0.001591	Akaike info criterion	-9.831330
Sum squared resid	6.58E-05	Schwarz criterion	-9.431383
Log likelihood	181.0483	Hannan-Quinn criter.	-9.693268
F-statistic	38375.49	Durbin-Watson stat	1.094477
Prob(F-statistic)	0.000000		

LAMPIRAN 4

HASIL REGRESI DATA PANEL

Dependent Variable: IW?

Method: Pooled EGLS (Cross-section weights)

Date: 02/08/19 Time: 20:46

Sample: 2011 2017

Included observations: 7

Cross-sections included: 5

Total pool (balanced) observations: 35

Linear estimation after one-step weighting matrix

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.069582	0.016652	4.178635	0.0003
LOG(UMKM?)	-0.003111	0.001097	-2.836867	0.0087
TPAK?	0.000125	4.67E-05	2.667919	0.0130
PE?	0.002450	0.000903	2.713257	0.0117
IPM?	0.001575	0.000190	8.287042	0.0000
Fixed Effects (Cross)				
_KULONPROGO--C	-0.057425			
_BANTUL--C	-0.031843			
_GUNUNGKIDUL--C	-0.027249			
_SLEMAN--C	-0.155398			
_KOTAYOGYAKARTA A--C	0.271915			

Effects Specification

Cross-section fixed (dummy variables)

Weighted Statistics

R-squared	0.999958	Mean dependent var	0.258903
Adjusted R-squared	0.999945	S.D. dependent var	0.218201
S.E. of regression	0.001482	Sum squared resid	5.71E-05
F-statistic	77452.14	Durbin-Watson stat	1.643939
Prob(F-statistic)	0.000000		

Unweighted Statistics

R-squared	0.999909	Mean dependent var	0.178343
Sum squared resid	7.09E-05	Durbin-Watson stat	0.959677

LAMPIRAN 5

HASIL UJI HETEROSKEDASTISITAS

Dependent Variable: REABS

Method: Panel EGLS (Cross-section weights)

Date: 02/08/19 Time: 11:17

Sample: 2011 2017

Periods included: 7

Cross-sections included: 5

Total panel (balanced) observations: 35

Linear estimation after one-step weighting matrix

White diagonal standard errors & covariance (d.f. corrected)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LOG(UMKM)	-0.036128	0.027739	-1.302407	0.2042
TPAK	-0.000831	0.001185	-0.701078	0.4895
PE	0.012947	0.026189	0.494382	0.6252
IPM	0.008983	0.005574	1.611481	0.1191
C	-0.214761	0.362705	-0.592109	0.5589

Effects Specification

Cross-section fixed (dummy variables)

Weighted Statistics

R-squared	0.750780	Mean dependent var	0.100908
Adjusted R-squared	0.674097	S.D. dependent var	0.047939
S.E. of regression	0.039733	Sum squared resid	0.041047
F-statistic	9.790696	Durbin-Watson stat	2.098595
Prob(F-statistic)	0.000004		

Unweighted Statistics

R-squared	0.728605	Mean dependent var	0.096888
Sum squared resid	0.042321	Durbin-Watson stat	1.942954

LAMPIRAN 6

HASIL UJI MULTIKOLINEARITAS

	LOG(UMKM)	TPAK	LPE	IPM
LOG(UMKM)	1.000000	0.526965	-0.623002	-0.766261
TPAK	0.526965	1.000000	-0.587252	-0.660303
LPE	-0.623002	-0.587252	1.000000	0.657282
IPM	-0.766261	-0.660303	0.657282	1.000000