

Lampiran 1. Data Panel Penelitian

Kabupaten/Kota	Tahun	IPM	PDRB (juta rupiah)	PP Kesehatan (juta rupiah)	PP Pendidikan (juta rupiah)	PP Fasilitas Umum (juta rupiah)
Fakfak	2013	64,29	2851138	87678	169306	174280
Fakfak	2014	64,73	3241780	142922	230694	217380
Fakfak	2015	64,92	3711531	153020	231735	215165
Fakfak	2016	65,66	4078862	116165	183544	343828
Fakfak	2017	67,95	4498746	136564	207466	245264
Kaimana	2013	60,36	1594960	94735	119191	168967
Kaimana	2014	61,07	1775159	116372	140819	155423
Kaimana	2015	61,33	1984770	121190	153153	142162
Kaimana	2016	62,15	2153068	5506	10721	17913
Kaimana	2017	63,99	2365841	118007	153705	209826
Kotatorong	2013	74,96	7658730	85215	175605	97290
Kotatorong	2014	75,78	9279097	94665	228982	89331
Kotatorong	2015	75,91	10878421	108728	246520	96517
Kotatorong	2016	76,33	12363348	118121	225426	218993
Kotatorong	2017	69,67	13829236	178492	198517	150276
Manokwari	2013	68,81	5461719	97272	234527	79838
Manokwari	2014	69,35	6315939	80667	188064	62135
Manokwari	2015	69,91	6962653	215910	103830	111283
Manokwari	2016	70,34	7617862	112899	225226	121755
Manokwari	2017	68	8420802	149724	169820	187988

Manokwariselatan	2013	54,95	492231	13299	27474	13419
Manokwariselatan	2014	55,32	553482	14954	30893	15089
Manokwariselatan	2015	56,59	608153	33906	41660	217662
Manokwariselatan	2016	57,12	648383	36149	44416	232061
Manokwariselatan	2017	66,96	702529	38023	66752	88558
Maybrat	2013	54,93	382531	43912	84683	172535
Maybrat	2014	55,36	431929	42650	82645	152639
Maybrat	2015	55,78	488156	45595	93006	167696
Maybrat	2016	56,35	544385	59922	72528	68144
Maybrat	2017	64,8	608826	46588	81369	162109
Pegununganarfak	2013	53,36	115248	8028	6776	17212
Pegununganarfak	2014	53,69	134477	9368	7907	20084
Pegununganarfak	2015	53,73	149114	25772	57510	155978
Pegununganarfak	2016	53,89	156858	48220	44360	167353
Pegununganarfak	2017	66,72	170527	44218	42613	181936
Rajaampat	2013	60,36	2115071	72855	112563	111590
Rajaampat	2014	60,86	2297352	77746	137444	217598
Rajaampat	2015	61,23	2336435	86135	146757	175899
Rajaampat	2016	61,95	2416183	35136	20495	52562
Rajaampat	2017	64,26	2469034	123946	158573	240958
Sorong	2013	60,86	8096279	120311	204216	156325
Sorong	2014	61,23	8738611	122770	208125	167285
Sorong	2015	61,86	9074374	157394	216618	251372
Sorong	2016	62,42	8941760	140289	221488	290866

Sorong	2017	65,52	9433596	218678	266383	107850
Sorongselatan	2013	57,73	1029801	51024	98980	106993
Sorongselatan	2014	58,24	1178115	61088	114878	125901
Sorongselatan	2015	58,6	1337486	70204	144348	100278
Sorongselatan	2016	59,2	1481089	125430	146675	118274
Sorongselatan	2017	65,63	1629527	90276	138249	102220
Tambraw	2013	48,69	125057	27724	47883	203604
Tambraw	2014	49,4	142263	27584	61809	149901
Tambraw	2015	49,77	160919	3719	71650	192415
Tambraw	2016	50,35	174985	8823	13179	252161
Tambraw	2017	59,29	193673	96391	57925	160167
Telukbintuni	2013	59,73	22528537	86084	114453	315051
Telukbintuni	2014	60,4	23027383	154616	214186	470453
Telukbintuni	2015	61,09	23984308	155776	223086	490003
Telukbintuni	2016	61,81	24644844	166080	220709	626390
Telukbintuni	2017	59,83	25820521	161041	193167	668975
Telukwondama	2013	55,65	903109	55174	65735	90478
Telukwondama	2014	56,27	1012727	53219	80031	106523
Telukwondama	2015	56,64	1098146	49752	91228	82996
Telukwondama	2016	57,16	1211452	21444	10290	36907
Telukwondama	2017	59,26	1339041	84476	82102	81573

Lampiran 2. Model Regresi Data Panel

COMMON EFFECT

Dependent Variable: IPM?

Method: Pooled Least Squares

Date: 02/08/19 Time: 16:44

Sample: 2013 2017

Included observations: 5

Cross-sections included: 13

Total pool (balanced) observations: 65

Variable	Coefficient	Std. Error	t-Statistic	Prob.
Log_PDRB?	2.212447	0.565515	3.912266	0.0002
Log_PPKEs?	3.505074	1.069250	3.278068	0.0017
Log_PPFASUM?	-0.809238	0.703506	-1.150293	0.2544
R-squared	0.477908	Mean dependent var		61.23615
Adjusted R-squared	0.461066	S.D. dependent var		6.413587
S.E. of regression	4.708351	Akaike info criterion		5.981607
Sum squared resid	1374.451	Schwarz criterion		6.081964
Log likelihood	-191.4022	Hannan-Quinn criter.		6.021204
Durbin-Watson stat	0.668886			

FIXED EFFECT

Dependent Variable: IPM?

Method: Pooled Least Squares

Date: 02/08/19 Time: 16:47

Sample: 2013 2017

Included observations: 5

Cross-sections included: 13

Total pool (balanced) observations: 65

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-84.02231	34.77937	-2.415866	0.0195
Log_PDRB?	9.521042	2.522909	3.773834	0.0004
Log_PPKE?	1.374411	0.742365	1.851394	0.0701
Log_PPFASUM?	-0.609422	0.715902	-0.851264	0.3988
Fixed Effects (Cross)				
_FAKFAK--C	-2.875644			
_KAIMANA--C	-0.217099			
_KOTASORONG--C	-4.292495			
_MANOKWARI--C	-5.663243			
_MANOKWARISELATA				
N--C	8.412487			
_MAYBRAT--C	9.238070			
_PEGUNUNGANARFAK-				
-C	20.33082			
_RAJAAMPAT--C	-1.986651			
_SORONG--C	-14.87132			
_SORONGSELATAN--C	1.400772			
_TAMBRAW--C	15.44781			
_TELUKBINTUNI--C	-25.49185			
_TELUKWONDAMA--C	0.568338			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.866789	Mean dependent var	61.23615
Adjusted R-squared	0.826011	S.D. dependent var	6.413587
S.E. of regression	2.675237	Akaike info criterion	5.015694
Sum squared resid	350.6877	Schwarz criterion	5.550928
Log likelihood	-147.0100	Hannan-Quinn criter.	5.226878
F-statistic	21.25592	Durbin-Watson stat	1.682803
Prob(F-statistic)	0.000000		

RANDOM EFFECTS

Dependent Variable: IPM?

Method: Pooled EGLS (Cross-section random effects)

Date: 02/08/19 Time: 16:48

Sample: 2013 2017

Included observations: 5

Cross-sections included: 13

Total pool (balanced) observations: 65

Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	11.80983	10.16703	1.161581	0.2499
Log_PDRB?	2.667076	0.693422	3.846253	0.0003
Log_PPKE?	1.738870	0.721163	2.411202	0.0189
Log_PPFASUM?	-0.699755	0.670666	-1.043373	0.3009
Random Effects (Cross)				
_FAKFAK--C	1.475913			
_KAIMANA--C	0.238743			
_KOTASORONG--C	6.722352			
_MANOKWARI--C	2.836715			
_MANOKWARISELATA N--C	0.925248			
_MAYBRAT--C	0.246798			
_PEGUNUNGANARFAK-- -C	2.924857			
_RAJAAMPAT--C	-0.322179			
_SORONG--C	-3.843612			
_SORONGSELATAN--C	-0.814372			
_TAMBRAW--C	-0.758764			
_TELUKBINTUNI--C	-7.119701			
_TELUKWONDAMA--C	-2.511998			

Effects Specification		
	S.D.	Rho
Cross-section random	3.413344	0.6195
Idiosyncratic random	2.675237	0.3805

Weighted Statistics			
R-squared	0.323027	Mean dependent var	20.25551
Adjusted R-squared	0.289734	S.D. dependent var	3.401793
S.E. of regression	2.866939	Sum squared resid	501.3798
F-statistic	9.702345	Durbin-Watson stat	1.284449
Prob(F-statistic)	0.000025		

Unweighted Statistics			
R-squared	0.515119	Mean dependent var	61.23615
Sum squared resid	1276.489	Durbin-Watson stat	0.504506

UJI CHOW

Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	9.356681	(12,49)	0.0000
Cross-section Chi-square	77.435980	12	0.0000

Cross-section fixed effects test equation:

Dependent Variable: IPM?

Method: Panel Least Squares

Date: 02/08/19 Time: 16:50

Sample: 2013 2017

Included observations: 5

Cross-sections included: 13

Total pool (balanced) observations: 65

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	28.47070	8.346242	3.411200	0.0012
Log_PDRB?	2.063550	0.524293	3.935873	0.0002
Log_PPKE_?	2.953143	1.001029	2.950106	0.0045
Log_PPFASUM?	-2.513793	0.819843	-3.066190	0.0032
R-squared	0.561547	Mean dependent var		61.23615
Adjusted R-squared	0.539983	S.D. dependent var		6.413587
S.E. of regression	4.349986	Akaike info criterion		5.837786
Sum squared resid	1154.265	Schwarz criterion		5.971594
Log likelihood	-185.7280	Hannan-Quinn criter.		5.890582
F-statistic	26.04179	Durbin-Watson stat		0.671930
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	12.055507	3	0.0072

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
Log_PDRB?	9.521042	2.667076	5.884238	0.0047
Log_PPKEs?	1.374411	1.738870	0.031030	0.0385
Log_PPFASUM?	-0.609422	-0.699755	0.062723	0.7183

Cross-section random effects test equation:

Dependent Variable: IPM?

Method: Panel Least Squares

Date: 02/08/19 Time: 16:51

Sample: 2013 2017

Included observations: 5

Cross-sections included: 13

Total pool (balanced) observations: 65

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-84.02231	34.77937	-2.415866	0.0195
LN_PDRB?	9.521042	2.522909	3.773834	0.0004
LN_PPKEs?	1.374411	0.742365	1.851394	0.0701
LN_PPFASUM?	-0.609422	0.715902	-0.851264	0.3988

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.866789	Mean dependent var	61.23615
Adjusted R-squared	0.826011	S.D. dependent var	6.413587
S.E. of regression	2.675237	Akaike info criterion	5.015694
Sum squared resid	350.6877	Schwarz criterion	5.550928
Log likelihood	-147.0100	Hannan-Quinn criter.	5.226878
F-statistic	21.25592	Durbin-Watson stat	1.682803
Prob(F-statistic)	0.000000		

MODEL TERPILIH : FIXED EFFECT MODEL

Dependent Variable: IPM?

Method: Pooled EGLS (Cross-section weights)

Date: 02/08/19 Time: 17:05

Sample: 2013 2017

Included observations: 5

Cross-sections included: 13

Total pool (balanced) observations: 65

Linear estimation after one-step weighting matrix

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-55.99980	14.84925	-3.771221	0.0004
Log_PDRB?	7.867183	0.960443	8.191201	0.0000
Log_PPKE?	1.512727	0.382739	3.952376	0.0002
Log_PPFASUM?	-1.093842	0.457747	-2.389619	0.0208
Fixed Effects (Cross)				
_FAKFAK--C	-1.553716			
_KAIMANA--C	-0.196118			
_KOTASORONG--C	-1.499633			
_MANOKWARI--C	-3.669126			
_MANOKWARISELATA				
N--C	6.329345			
_MAYBRAT--C	7.108023			
_PEGUNUNGANARFAK-				
-C	15.97674			
_RAJAAMPAT--C	-1.574821			
_SORONG--C	-12.21613			
_SORONGSELATAN--C	0.749498			
_TAMBRAW--C	11.73947			
_TELUKBINTUNI--C	-20.69692			
_TELUKWONDAMA--C	-0.496608			

Effects Specification

Cross-section fixed (dummy variables)

Weighted Statistics			
R-squared	0.950892	Mean dependent var	127.5359
Adjusted R-squared	0.935859	S.D. dependent var	107.5495
S.E. of regression	2.574696	Sum squared resid	324.8239
F-statistic	63.25298	Durbin-Watson stat	1.693456
Prob(F-statistic)	0.000000		

Unweighted Statistics			
R-squared	0.863278	Mean dependent var	61.23615
Sum squared resid	359.9323	Durbin-Watson stat	1.650836

HASIL REGRESI UJI PARK

Dependent Variable: RESID?

Method: Pooled EGLS (Cross-section weights)

Date: 02/08/19 Time: 17:15

Sample: 2013 2017

Included observations: 5

Cross-sections included: 13

Total pool (balanced) observations: 65

Linear estimation after one-step weighting matrix

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-10.38960	54.24938	-0.191515	0.8488
Log_PDRB?	3.671897	3.407828	1.077489	0.2855
Log_PPKES?	-2.158148	6.506548	-0.331689	0.7413
Log_PPFASUM?	-0.077294	5.328859	-0.014505	0.9885
Fixed Effects (Cross)				
_FAKFAK--C	-2.980537			
_KAIMANA--C	-0.912516			
_KOTASORONG--C	-4.030642			
_MANOKWARI--C	-4.767937			
_MANOKWARISELATA N--C	5.180210			
_MAYBRAT--C	2.807316			
_PEGUNUNGANARFAK-- C	10.28303			
_RAJAAMPAT--C	-1.400727			
_SORONG--C	-5.679275			
_SORONGSELATAN--C	1.018750			
_TAMBRAW--C	8.609721			
_TELUKBINTUNI--C	-8.359315			
_TELUKWONDAMA--C	0.231922			

Effects Specification

Cross-section fixed (dummy variables)

Weighted Statistics

R-squared	0.606901	Mean dependent var	2.149097
Adjusted R-squared	0.486565	S.D. dependent var	2.293817
S.E. of regression	1.586360	Sum squared resid	123.3103
F-statistic	5.043372	Durbin-Watson stat	1.798351
Prob(F-statistic)	0.000008		

Unweighted Statistics

R-squared	0.450125	Mean dependent var	1.341979
Sum squared resid	133.5499	Durbin-Watson stat	2.005681

UJI MULTIKOLINEARITAS

	PDRB	PPKES	PPFASUM
PDRB	1.000000	0.739557	0.379296
PPKES	0.739557	1.000000	0.571638
PPFASUM	0.379296	0.571638	1.000000