

## LAMPIRAN

**Lampiran 1 : Data Panel Penelitian**

<b>Kabupaten/ Kota</b>	<b>Tahun</b>	<b>IPM</b>	<b>JPM (Jiwa)</b>	<b>PPP (Juta)</b>	<b>PPK (Juta)</b>
<b>Kep.Selayar</b>	2012	0,6287	16200	135390	39458
	2013	0,6316	18200	142422	56069
	2014	0,6366	17000	163160	66102
	2015	0,6432	16900	189875	68455
	2016	0,6495	17210	216590	70808
<b>Bulukumba</b>	2012	0,6382	31500	361992	71751
	2013	0,6427	36700	417047	78638
	2014	0,6524	34200	498206	92035
	2015	0,6558	33400	576928	227181
	2016	0,6646	33250	655650	362327
<b>Bantaeng</b>	2012	0,6399	16000	155714	51130
	2013	0,6466	19900	234332	56203
	2014	0,6577	17700	234332	59012
	2015	0,662	17600	256714	93242
	2016	0,6659	17530	279096	127472
<b>Jeneponto</b>	2012	0,5962	58000	237760	81194
	2013	0,6055	58100	310419	93759
	2014	0,6145	54200	354371	135484
	2015	0,6161	53900	398323	177209
	2016	0,6181	55320	442275	218934
<b>Takalar</b>	2012	0,6166	26700	318287	58578
	2013	0,6258	29300	303700	95751
	2014	0,6353	27400	334730	115352
	2015	0,6407	27100	387901	158661
	2016	0,6496	27050	441072	201970
<b>Gowa</b>	2012	0,6465	55300	294090	96966
	2013	0,6445	61000	467038	107662
	2014	0,6612	57000	516288	123000
	2015	0,6687	59500	538990	151004
	2016	0,677	61520	561692	179008
<b>Sinjai</b>	2012	0,6274	21700	281265	50002
	2013	0,6347	24300	297450	57896
	2014	0,6383	22600	360638	95646
	2015	0,6448	22000	423826	133396
	2016	0,6536	22510	487014	171146

<b>Maros</b>	2012	0,655	41300	226796	76190
	2013	0,6606	43100	364107	111547
	2014	0,6665	40100	359297	119021
	2015	0,6713	40080	416785	157252
	2016	0,6776	39020	474273	195483
<b>Pangkajene Kepulauan</b>	2012	0,643	52300	337959	86123
	2013	0,6524	56400	383775	98389
	2014	0,6616	52600	422383	120149
	2015	0,6665	53850	431462	139389
	2016	0,6686	52860	440541	158629
<b>Barru</b>	2012	0,6607	15700	233105	59224
	2013	0,6702	17500	272863	62501
	2014	0,6794	16600	323673	71262
	2015	0,6864	16100	341503	89226
	2016	0,6907	16240	359333	107190
<b>Bone</b>	2012	0,6077	89500	493643	112052
	2013	0,614	87700	492411	135782
	2014	0,6209	80500	412888	155446
	2015	0,6311	75000	608587	176584
	2016	0,6386	75090	697452	197722
<b>Soppeng</b>	2012	0,6405	20600	307144	58578
	2013	0,6443	21300	325946	89889
	2014	0,6774	19800	373122	98565
	2015	0,6533	18880	426988	107669
	2016	0,6595	19120	480854	116773
<b>Wajo</b>	2012	0,6488	30500	298791	75548
	2013	0,657	31900	308536	114891
	2014	0,6649	30300	359007	111297
	2015	0,669	30080	371917	145646
	2016	0,6752	29460	384827	179995
<b>Sidenreng Rappang</b>	2012	0,6619	16900	286163	80616
	2013	0,6715	17900	277378	85134
	2014	0,6814	16700	285260	102534
	2015	0,69	16000	293142	119934
	2016	0,6939	16240	301024	137334
<b>Pinrang</b>	2012	0,6764	28100	298655	73451
	2013	0,6814	32100	339272	82213
	2014	0,6892	29900	407080	112211
	2015	0,6937	30500	447433	155796
	2016	0,6942	31280	487786	199381
<b>Enrekang</b>	2012	0,6774	28200	198598	57817

	2013	0,6839	29700	217857	77724
	2014	0,6937	27600	293672	93528
	2015	0,7003	27600	354533	101969
	2016	0,7079	26980	415394	110410
<b>Luwu</b>	2012	0,6543	45500	250366	62631
	2013	0,6639	52000	305940	73365
	2014	0,6734	48500	381019	99640
	2015	0,6411	48600	431276	118683
	2016	0,6871	50580	481533	137726
<b>Tana Toraja</b>	2012	0,6396	28700	203550	65683
	2013	0,6455	31300	190533	77564
	2014	0,6508	29100	206959	95291
	2015	0,6575	28590	223905	115043
	2016	0,6625	28430	240851	134795
<b>Luwu Utara</b>	2012	0,6599	41400	259703	89810
	2013	0,664	46200	252261	98641
	2014	0,669	43000	291660	127167
	2015	0,6644	41890	390012	141135
	2016	0,6781	43750	488364	155103
<b>Luwu Timur</b>	2012	0,6934	19900	193839	106071
	2013	0,6953	22200	208561	110783
	2014	0,6975	20800	225427	134959
	2015	0,7043	19670	345519	179679
	2016	0,7095	21080	465611	224399
<b>Toraja Utara</b>	2012	0,6489	36000	194521	37910
	2013	0,6565	36800	202702	42253
	2014	0,6615	33900	235335	42602
	2015	0,6676	34370	239607	56533
	2016	0,6749	33020	243879	62464
<b>Makassar</b>	2012	0,7847	69900	626552	190443
	2013	0,7898	66400	689240	209218
	2014	0,7935	64200	747309	239136
	2015	0,7994	63200	805378	269054
	2016	0,8053	66780	863447	298972
<b>Pare-pare</b>	2012	0,7467	7500	211797	101779
	2013	0,751	8600	237811	100783
	2014	0,7466	8100	271660	116218
	2015	0,7631	8400	268236	146906
	2016	0,7646	8020	264812	177594
<b>Palopo</b>	2012	0,7502	14900	174014	71967
	2013	0,7502	15500	211039	57840

	2014	0,7565	14600	244225	101928
	2015	0,7627	14500	261506	128516
	2016	0,7645	15020	278787	155104

## Lampiran 2 : Model Regresi Data Panel

### *Fixed Effect Model*

Dependent Variable: IPM?  
 Method: Pooled Least Squares  
 Date: 10/19/19 Time: 03:30  
 Sample: 2012 2016  
 Included observations: 5  
 Cross-sections included: 24  
 Total pool (balanced) observations: 120

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.437050	0.153196	2.852889	0.0053
LOG(JPM?)	-0.014057	0.014112	-0.996067	0.3218
LOG(PPP?)	0.013716	0.005306	2.584747	0.0113
LOG(PPK?)	0.017787	0.003276	5.429208	0.0000
Fixed Effects (Cross)				
_KEPSELAYAR--C	-0.022427			
_BULUKUMBA--C	-0.029411			
_BANTAENG--C	-0.013414			
_JENEPONTO--C	-0.057764			
_TAKALAR--C	-0.042376			
_GOWA--C	-0.011258			
_SINJAI--C	-0.035066			
_MAROS--C	-0.005864			
_PANGKAJENE--C	-0.010203			
_BARRU--C	0.003900			
_BONE--C	-0.048785			
_SOPPENG--C	-0.022288			
_WAJO--C	-0.011851			
_RAPPANG--C	0.001649			
_PINRANG--C	0.011003			
_ENREKANG--C	0.025152			
_LUWU--C	-0.000521			
_TANATORAJA--C	-0.013352			
_LUWUUTARA--C	-0.002006			
_LUWUTIMUR--C	0.019679			
_TORAJAUTARA--C	0.011433			
_MAKASSAR--C	0.107887			
_PAREPARE--C	0.064601			
_PALOPO--C	0.081282			

#### Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.983343	Mean dependent var	0.672411
Adjusted R-squared	0.978686	S.D. dependent var	0.043420
S.E. of regression	0.006339	Akaike info criterion	-7.089089
Sum squared resid	0.003737	Schwarz criterion	-6.461903
Log likelihood	452.3453	Hannan-Quinn criter.	-6.834386
F-statistic	211.1620	Durbin-Watson stat	2.301209
Prob(F-statistic)	0.000000		

*Random Effect Model*

Dependent Variable: IPM?  
 Method: Pooled EGLS (Cross-section random effects)  
 Date: 10/19/19 Time: 03:32  
 Sample: 2012 2016  
 Included observations: 5  
 Cross-sections included: 24  
 Total pool (balanced) observations: 120  
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.528431	0.109492	4.826199	0.0000
LOG(JPM?)	-0.022883	0.009964	-2.296657	0.0234
LOG(PPP?)	0.013718	0.005268	2.604136	0.0104
LOG(PPK?)	0.017738	0.003249	5.460312	0.0000
Random Effects (Cross)				
_KEPSELAYAR--C	-0.027113			
_BULUKUMBA--C	-0.028042			
_BANTAENG--C	-0.017833			
_JENEPONTO--C	-0.051813			
_TAKALAR--C	-0.042743			
_GOWA--C	-0.005125			
_SINJAI--C	-0.037206			
_MAROS--C	-0.002994			
_PANGKAJENE--C	-0.004898			
_BARRU--C	-0.001277			
_BONE--C	-0.039585			
_SOPPENG--C	-0.025610			
_WAJO--C	-0.011498			
_RAPPANG--C	-0.003332			
_PINRANG--C	0.011197			
_ENREKANG--C	0.024545			
_LUWU--C	0.003931			
_TANATORAJA--C	-0.013365			
_LUWUUTARA--C	0.001367			
_LUWUTIMUR--C	0.016482			
_TORAJAUTARA--C	0.012782			
_MAKASSAR--C	0.114387			
_PAREPARE--C	0.052918			
_PALOPO--C	0.074824			
Effects Specification				
			S.D.	Rho
Cross-section random			0.037403	0.9721
Idiosyncratic random			0.006339	0.0279
Weighted Statistics				

R-squared	0.623526	Mean dependent var	0.050818
Adjusted R-squared	0.613789	S.D. dependent var	0.010250
S.E. of regression	0.006370	Sum squared resid	0.004707
F-statistic	64.04063	Durbin-Watson stat	1.860938
Prob(F-statistic)	0.000000		

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Unweighted Statistics

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R-squared	0.239234	Mean dependent var	0.672411
Sum squared resid	0.170677	Durbin-Watson stat	0.051318

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*Common Effect Model*

Dependent Variable: IPM?  
 Method: Pooled Least Squares  
 Date: 10/19/19 Time: 04:12  
 Sample: 2012 2016  
 Included observations: 5  
 Cross-sections included: 24  
 Total pool (balanced) observations: 120

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LOG(JPM?)	-0.038405	0.008111	-4.734983	0.0000
LOG(PPP?)	0.048832	0.014453	3.378703	0.0010
LOG(PPK?)	0.038639	0.012467	3.099342	0.0024
R-squared	0.218072	Mean dependent var		0.672411
Adjusted R-squared	0.204706	S.D. dependent var		0.043420
S.E. of regression	0.038721	Akaike info criterion		-3.640162
Sum squared resid	0.175424	Schwarz criterion		-3.570475
Log likelihood	221.4097	Hannan-Quinn criter.		-3.611862
Durbin-Watson stat	0.120661			



### Lampiran 3 : Pemilihan Model

#### Uji Chow

Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	166.163317	(23,93)	0.0000
Cross-section Chi-square	448.789064	23	0.0000

Cross-section fixed effects test equation:

Dependent Variable: IPM?

Method: Panel Least Squares

Date: 10/19/19 Time: 03:30

Sample: 2012 2016

Included observations: 5

Cross-sections included: 24

Total pool (balanced) observations: 120

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.416373	0.113910	3.655292	0.0004
LOG(JPM?)	-0.037724	0.007716	-4.889196	0.0000
LOG(PPP?)	0.015518	0.016492	0.940924	0.3487
LOG(PPK?)	0.038644	0.011856	3.259365	0.0015
R-squared	0.298834	Mean dependent var		0.672411
Adjusted R-squared	0.280701	S.D. dependent var		0.043420
S.E. of regression	0.036825	Akaike info criterion		-3.732513
Sum squared resid	0.157306	Schwarz criterion		-3.639597
Log likelihood	227.9508	Hannan-Quinn criter.		-3.694780
F-statistic	16.47959	Durbin-Watson stat		0.085353
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	4.131091	3	0.2477

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(JPM?)	-0.014057	-0.022883	0.000100	0.3771
LOG(PPP?)	0.013716	0.013718	0.000000	0.9976
LOG(PPK?)	0.017787	0.017738	0.000000	0.9084

Cross-section random effects test equation:

Dependent Variable: IPM?

Method: Panel Least Squares

Date: 10/19/19 Time: 03:32

Sample: 2012 2016

Included observations: 5

Cross-sections included: 24

Total pool (balanced) observations: 120

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.437050	0.153196	2.852889	0.0053
LOG(JPM?)	-0.014057	0.014112	-0.996067	0.3218
LOG(PPP?)	0.013716	0.005306	2.584747	0.0113
LOG(PPK?)	0.017787	0.003276	5.429208	0.0000

## Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.983343	Mean dependent var	0.672411
Adjusted R-squared	0.978686	S.D. dependent var	0.043420
S.E. of regression	0.006339	Akaike info criterion	-7.089089
Sum squared resid	0.003737	Schwarz criterion	-6.461903
Log likelihood	452.3453	Hannan-Quinn criter.	-6.834386
F-statistic	211.1620	Durbin-Watson stat	2.301209
Prob(F-statistic)	0.000000		

### Uji Langrange Multiplier

Lagrange multiplier (LM) test for panel data

Date: 10/17/19 Time: 14:10

Sample: 2012 2016

Total panel observations: 120

Probability in ()

Null (no rand. effect) Alternative	Cross-section One-sided	Period One-sided	Both
Breusch-Pagan	204.4994 (0.0000)	0.430989 (0.5115)	204.9304 (0.0000)
Honda	14.30033 (0.0000)	-0.656498 (0.7442)	9.647646 (0.0000)
King-Wu	14.30033 (0.0000)	-0.656498 (0.7442)	4.898279 (0.0000)
GHM	-- --	-- --	204.4994 (0.0000)

## Lampiran 4 : Uji Asumsi Klasik

### Uji Heteroskedastisitas

Heteroskedasticity Test: Breusch-Pagan-Godfrey

F-statistic	1.644403	Prob. F(3,115)	0.1830
Obs*R-squared	4.894824	Prob. Chi-Square(3)	0.1797
Scaled explained SS	24.08807	Prob. Chi-Square(3)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 10/17/19 Time: 14:55

Sample: 2 120

Included observations: 119

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.002835	0.002523	-1.123604	0.2635
LOG(JPM)	0.000274	0.000167	1.640406	0.1037
LOG(PPP)	0.000103	0.000358	0.288864	0.7732
LOG(PPK)	-9.08E-05	0.000257	-0.353776	0.7242
R-squared	0.041133	Mean dependent var		0.000244
Adjusted R-squared	0.016119	S.D. dependent var		0.000802
S.E. of regression	0.000796	Akaike info criterion		-11.40141
Sum squared resid	7.28E-05	Schwarz criterion		-11.30799
Log likelihood	682.3837	Hannan-Quinn criter.		-11.36347
F-statistic	1.644403	Durbin-Watson stat		2.072177
Prob(F-statistic)	0.183024			

## Uji Multikolinearitas

	LOG(JPM)	LOG(PPK)	LOG(PPP)
LOG(JPM)	1	0.3048327917250812	0.5741960961693819
LOG(PPK)	0.3048327917250812	1	0.7582108421383115
LOG(PPP)	0.5741960961693819	0.7582108421383115	1



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Prodi : Ilmu Ekonomi

NIM : 20130430049

Judul : Analisis Faktor-Faktor Yang Mempengaruhi Indeks Pembangunan Manusia (IPM) di Kabupaten/Kota Provinsi Sulawesi Selatan Tahun 2012-2016

Dosen Pembimbing : Dr. Imamuddin Yuliadi, S.E., M.si

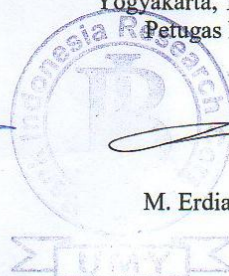
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