

## LAMPIRAN

Lampiran 1 : Data (PDRB ADHK 2000, Jumlah Penduduk, Angka Harapan Hidup, Angka Melek Huruf, Dari 38 Kabupaten/Kota Propinsi Jawa Timur Tahun 2005-2008)

NO	KAB./KOTA	TAHUN	POVERTY	PDRB ADHK	POPULASI	AHH	AMH
1	Pacitan	2005	128.5	1162	551290	70,00	85,68
		2006	139.2	1211.93	553321	70,40	89,19
		2007	125.6	1274.46	555262	70,67	91,54
		2008	114.4	1346	557029	71,01	94,47
2	Ponorogo	2005	150.1	2574	885047	66,90	80,12
		2006	162.6	2695	888857	68,70	80,46
		2007	157.9	2871.34	892527	69,06	84,93
		2008	144.5	3034	895921	70,14	87,34
3	Trenggalek	2005	152.5	1753.91	673102	69,80	91,13
		2006	165.2	1838	673920	70,60	92,26
		2007	149.1	1938.07	674620	70,91	92,26
		2008	135.2	2047	675380	71,47	92,83
4	Tulungagung	2005	165.8	5874.96	977211	70,30	88,74
		2006	189.0	6197	981257	70,50	89,71
		2007	170.5	6580.19	985147	70,80	93,47
		2008	119.1	6925	988731	71,05	95,84
5	Blitar	2005	175.8	4338.53	1069151	68,90	88,58
		2006	190.4	4571.92	1069569	70,00	91,04
		2007	171.2	4836.19	1069798	70,25	91,04
		2008	150.8	5121	1070122	70,93	92,27
6	Kediri	2005	255.9	5232.03	1450937	68,10	89,25
		2006	277.2	5471.11	1451028	68,70	90,69
		2007	267.4	5746.95	1451119	68,99	92,47
		2008	265.5	5962	1451630	69,44	94,08
7	Malang	2005	373.7	10987.07	2375537	66,60	86,12
		2006	404.8	11617.94	2388755	67,90	88,84
		2007	365.3	12325.66	2401624	68,22	89,17
		2008	353.3	13034	2413779	69,03	90,7
8	Lumajang	2005	186.1	4793.73	1013454	65,10	75,99
		2006	201.9	5044.18	1017467	66,00	86,28
		2007	199.0	5321.48	1021317	66,35	86,28

(lanjutan)

		2008	180.7	5611	1024849	66,98	91,43
9	Jember	2005	408.0	8236.28	2295795	59,90	80,23
		2006	423.3	8706.00	2304634	62,10	82,84
		2007	417.0	9226.77	2313100	62,33	82,84
		2008	399.5	9784	2320844	63,55	84,15
10	Banyuwangi	2005	236.1	8414.26	1517432	64,50	82,91
		2006	251.9	8816	1522534	66,00	85,93
		2007	227.3	9347.62	1527384	66,45	86,46
		2008	206.5	9845	1531753	67,43	88,24
11	Bondowoso	2005	169.5	1772.84	701105	59,00	72,48
		2006	183.6	1871.75	703303	62,00	74,30
		2007	165.7	1974.90	705384	62,36	74,30
		2008	152.6	2080	707242	64,04	75,21
12	Situbondo	2005	113.2	2703.99	616505	61,50	75,18
		2006	107.2	2852.39	618816	62,50	76,99
		2007	93.9	3013.29	621026	62,72	78,16
		2008	108.9	3171	623042	63,33	79,65
13	Probolinggo	2005	267.4	5126.68	1040234	59,30	75,39
		2006	289.7	5418.55	1041370	60,00	77,71
		2007	277.1	5742.27	1042323	60,33	77,71
		2008	305.1	6074	1043671	60,85	78,87
14	Pasuruan	2005	285.1	5101.16	1433270	61,50	88,25
		2006	308.9	5403.93	1438610	62,80	88,13
		2007	278.7	5737.51	1443716	63,15	88,13
		2008	253.5	6073	1448370	63,98	88,07
15	Sidoarjo	2005	239.1	20201.36	1715439	68,20	96,40
		2006	223.3	21287.73	1737543	69,60	97,37
		2007	223.3	22386.58	1759623	69,89	97,37
		2008	144.5	23432	1781405	70,74	97,86
16	Mojokerto	2005	154.3	4574.70	978769	68,10	91,54
		2006	165.4	4825.15	987817	69,30	91,94
		2007	143.8	5111.15	996774	69,58	94,07
		2008	142.6	5412	1005486	70,32	95,34
17	Jombang	2005	278.6	4773.51	1237640	66,90	90,85
		2006	289.9	5047.09	1253752	69,70	89,43
		2007	261.6	5353.30	1269851	69,85	92,48
		2008	205.6	5673	1285739	71,33	93,30
18	Nganjuk	2005	235.8	3691.21	991313	67,20	87,25
		2006	255.4	3913.02	994468	68,00	89,18
		2007	230.5	4152.60	997458	68,27	90,44
		2008	191.9	4401	1000132	68,81	92,04
19	Madiun	2005	137.5	2115.60	642159	67,30	85,16

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		2006	144.7	2212.87	642335	68,20	85,52
		2007	130.6	2324.04	642398	68,43	87,10
		2008	115.3	2453	642518	69,00	88,07
20	Magetan	2005	104.6	2507.67	622384	69,90	87,56
		2006	113.3	2639	323536	70,20	89,80
		2007	102.2	2773.52	624581	70,50	89,80
		2008	95.1	2920	625424	70,80	90,92
21	Ngawi	2005	193.4	2385.68	827728	67,30	79,88
		2006	209.1	2510.08	830281	68,60	80,91
		2007	188.7	2639.72	832696	68,99	85,10
		2008	169.0	2784	834847	69,84	87,71
22	Bojonegoro	2005	323.9	5329.97	1239756	65,60	83,09
		2006	350.9	5897	1247919	66,60	84,55
		2007	321.5	6705.85	1255914	66,79	84,55
		2008	292.7	6848	1263551	67,39	85,28
23	Tuban	2005	300.7	4998.87	1069935	65,90	82,83
		2006	325.8	5314	1073071	66,90	84,95
		2007	297.8	5632.59	1076027	67,17	84,95
		2008	270.5	6040	1078641	67,81	86,01
24	Lamongan	2005	280.8	3883.70	1187504	66,50	83,09
		2006	304.2	4093	1188136	67,50	85,61
		2007	297.6	4335.88	1188559	67,73	86,60
		2008	259.7	4598	1189087	68,35	88,36
25	Gresik	2005	242.5	11892.61	1132689	68,10	91,80
		2006	287.5	12702.41	1153292	70,00	94,04
		2007	273.6	13573.39	1174063	70,30	94,04
		2008	248.8	14401	1194821	71,40	95,16
26	Bangkalan	2005	286.7	2697.57	907119	61,40	80,48
		2006	306.7	2827.14	923657	62,70	82,76
		2007	288.3	2969.20	940331	62,90	82,76
		2008	304.0	3115	956996	3,65	83,90
27	Sampang	2005	325.9	2101.08	851537	57,70	64,25
		2006	353.1	2187.48	868370	60,40	64,12
		2007	338.9	2279.63	885379	61,11	64,12
		2008	302.8	2384	902429	62,82	64,06
28	Pamekasan	2005	237.6	1621.14	785932	61,70	78,97
		2006	271.5	1694.48	802172	62,40	79,45
		2007	257.4	1775.11	818604	62,70	79,45
		2008	213.6	1873	835101	63,20	79,69
29	Sumenep	2005	331.2	4381.01	1016187	61,20	81,06
		2006	351.1	4567.14	1016418	64,00	78,62
		2007	325.5	4786.86	1016471	64,23	78,62

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		2008	290.6	4986	1016907	65,75	77,40
30	kota Kediri	2005	33.6	18792.30	263335	68,60	94,90
		2006	36.4	19768.50	265721	69,50	96,80
		2007	35.3	20660.13	268081	69,78	96,80
		2008	30.7	21624	270374	70,37	97,75
31	Kota Blitar	2005	14.2	574.44	128731	70,10	95,93
		2006	15.4	608	129932	71,10	96,78
		2007	15.2	647.64	131121	71,44	96,78
		2008	12.0	687	132278	72,11	97,21
32	Kota Malang	2005	54.8	10136.32	802763	66,60	95,65
		2006	59.4	10745.07	807543	68,90	96,87
		2007	56.6	11412.77	812209	69,31	97,19
		2008	57.2	12118	816637	70,67	97,96
33	Kota Probolinggo	2005	35.7	1513.80	215195	68,00	86,96
		2006	38.7	1603.45	218995	68,80	88,70
		2007	34.9	1705.84	222822	69,20	92,01
		2008	51.3	1806	226643	69,80	94,54
34	Kota Pasuruan	2005	21.8	856.75	173774	64,70	95,50
		2006	23.6	905	173872	66,20	95,60
		2007	21.3	966.21	173940	66,21	95,63
		2008	18.9	1007	174073	66,97	95,70
35	Kota Mojokerto	2005	11.9	935.65	112823	70,30	95,49
		2006	12.0	987	112959	70,70	96,77
		2007	11.5	1053.56	113075	70,97	96,77
		2008	9.8	1101	113201	71,31	97,41
36	Kota Madiun	2005	15.8	889.32	174739	69,30	95,36
		2006	13.8	937.57	175955	70,20	96,00
		2007	12.1	995.22	177148	70,46	97,71
		2008	11.6	1057	178291	71,04	98,89
37	Kota Surabaya	2005	194.6	59877.99	2622023	68,60	96,80
		2006	210.8	63677.39	2625298	69,80	96,48
		2007	203.7	67695.82	2628113	70,16	97,94
		2008	209.9	71914	2630079	70,94	98,51
38	Kota Batu	2005	17.2	952.55	182235	68,00	91,43
		2006	21.2	1018.21	184117	68,30	94,90
		2007	17.3	1087.39	185986	68,64	97,30
		2008	11.3	1164	187813	68,96	98,75

Lampiran 2 : Estimasi Model dengan Metode *Common Effect* sebelum variabel AHH dihilangkan

Dependent Variable: POVERTY?  
 Method: Pooled Least Squares  
 Date: 06/02/10 Time: 07:50  
 Sample: 2005 2008  
 Included observations: 4  
 Number of cross-sections used: 38  
 Total panel (balanced) observations: 152

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	537.7460	54.27861	9.907144	0.0000
PDRB?	-0.003384	0.000473	-7.146946	0.0000
POPULASI?	0.000170	8.29E-06	20.50156	0.0000
AHH?	-1.373276	0.675691	-2.032403	0.0439
AMH?	-4.532892	0.590324	-7.678657	0.0000
R-squared	0.839967	Mean dependent var	187.6441	
Adjusted R-squared	0.835613	S.D. dependent var	110.9142	
S.E. of regression	44.96981	Sum squared resid	297275.8	
F-statistic	192.8906	Durbin-Watson stat	0.319958	
Prob(F-statistic)	0.000000			

Estimasi Model dengan Metode *Common Effect* setelah variabel AHH dihilangkan

Dependent Variable: POVERTY?  
 Method: Pooled Least Squares  
 Date: 12/20/10 Time: 13:53  
 Sample: 2005 2008  
 Included observations: 4  
 Number of cross-sections used: 38  
 Total panel (balanced) observations: 152

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	490.2797	49.51267	9.902106	0.0000
PDRB?	-0.003390	0.000478	-7.084605	0.0000
POPULASI?	0.000171	8.37E-06	20.38991	0.0000
AMH?	-5.044303	0.539627	-9.347761	0.0000
R-squared	0.835470	Mean dependent var	187.6441	
Adjusted R-squared	0.832135	S.D. dependent var	110.9142	
S.E. of regression	45.44295	Sum squared resid	305629.1	
F-statistic	250.5115	Durbin-Watson stat	0.298121	
Prob(F-statistic)	0.000000			

Lampiran 3 : Estimasi Model dengan Metode *Fixed Effect* sebelum variabel AHH dihilangkan

Dependent Variable: POVERTY?

Method: Pooled Least Squares

Date: 08/21/10 Time: 03:14

Sample: 2005 2008

Included observations: 4

Number of cross-sections used: 38

Total panel (balanced) observations: 152

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PDRB?	-0.001655	0.001745	-0.948543	0.3449
POPULASI?	-0.000124	6.15E-05	-2.024695	0.0453
AHH?	-0.396745	0.329480	-1.204153	0.2311
AMH?	-1.460951	0.788862	-1.851972	0.0667
Fixed Effects				
BATUK--C	208.3480			
BDW--C	391.4218			
BJN--C	637.9415			
BKL--C	556.6024			
BLT--C	473.2908			
BLTK--C	200.9623			
BWI--C	586.9457			
GSK--C	594.3845			
JBR--C	859.2218			
JMB--C	585.8010			
KDR--C	617.4990			
KDRK--C	269.3312			
LMG--C	592.7410			
LMJ--C	477.7488			
MDN--C	369.1090			
MDNK--C	206.4651			
MGT--C	335.2906			
MJK--C	446.9275			
MJKK--C	196.2894			
MLG--C	848.6735			
MLGK--C	345.0543			
NGJ--C	517.0925			
NGW--C	446.8624			
PCT--C	357.7395			
PMK--C	489.5326			
PNG--C	418.0403			
PRB--C	560.6805			
PRBK--C	230.0296			
PSR--C	623.8004			
PSRK--C	210.4567			
SBYK--C	810.5092			
SDA--C	630.9363			
SMN--C	599.4449			
SMP--C	560.7034			
STB--C	325.8036			
TBN--C	591.7678			
TLG--C	456.3637			
TRG--C	400.1636			
R-squared	0.982745	Mean dependent var	187.6441	
Adjusted R-squared	0.976314	S.D. dependent var	110.9142	

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S.E. of regression	17.07015	Sum squared resid	32052.91
F-statistic	152.8034	Durbin-Watson stat	2.094242
Prob(F-statistic)	0.000000		

Estimasi Model dengan Metode *Fixed Effect* setelah variabel AHH dihilangkan

Dependent Variable: POVERTY?

Method: Pooled Least Squares

Date: 12/20/10 Time: 13:54

Sample: 2005 2008

Included observations: 4

Number of cross-sections used: 38

Total panel (balanced) observations: 152

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PDRB?	-0.001812	0.001744	-1.039092	0.3010
POPULASI?	-0.000120	6.15E-05	-1.956247	0.0529
AMH?	-1.492880	0.790013	-1.889690	0.0614
Fixed Effects				
PCT--C	330.5356			
PNG--C	390.1797			
TRG--C	372.5535			
TLG--C	428.1829			
BLT--C	444.7042			
KDR--C	587.9762			
MLG--C	816.4840			
LMJ--C	450.8150			
JBR--C	829.0903			
BWI--C	558.5588			
BDW--C	366.6249			
STB--C	301.3619			
PRB--C	535.8487			
PSR--C	596.5657			
SDA--C	602.5819			
MJK--C	419.0591			
JMB--C	556.7473			
NGJ--C	489.4479			
MDN--C	342.4876			
MGT--C	308.3824			
NGW--C	419.2272			
BJN--C	609.9857			
TBN--C	564.3105			
LMG--C	564.4231			
GSK--C	566.8513			
BKL--C	536.9097			
SMP--C	535.4538			
PMK--C	464.1777			
SMN--C	573.1661			
KDRK--C	246.8728			
BLTK--C	175.3623			
MLGK--C	319.2009			
PRBK--C	204.9074			
PSRK--C	186.7402			
MJJK--C	170.9669			
MDNK--C	181.1093			
SBYK--C	785.2943			

(lanjutan)

BATUK--C		183.6300	
R-squared	0.982517	Mean dependent var	187.6441
Adjusted R-squared	0.976217	S.D. dependent var	110.9142
S.E. of regression	17.10472	Sum squared resid	32475.42
F-statistic	155.9550	Durbin-Watson stat	2.069768
Prob(F-statistic)	0.000000		





Lampiran 4 : Estimasi Model dengan Metode *Random Effect* setelah terbebas dari Multikolinieritas

Dependent Variable: POVERTY?  
 Method: GLS (Variance Components)  
 Date: 06/02/10 Time: 19:38  
 Sample: 2005 2008  
 Included observations: 4  
 Number of cross-sections used: 38  
 Total panel (balanced) observations: 152

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	329.9756	63.42693	5.202452	0.0000
PDRB?	-0.003322	0.000859	-3.869295	0.0002
POPULASI?	0.000163	1.59E-05	10.20868	0.0000
AMH?	-3.141469	0.682255	-4.604537	0.0000
Random Effects				
BATUK--C	-38.01064			
BDW--C	-36.19161			
BJN--C	71.37816			
BKL--C	80.34234			
BLT--C	-30.07806			
BLTK--C	-30.02903			
BWI--C	-45.75834			
GSK--C	78.84656			
JBR--C	-4.413559			
JMB--C	27.36505			
KDR--C	6.578877			
KDRK--C	29.90316			
LMG--C	44.42406			
LMJ--C	-18.89190			
MDN--C	-22.40027			
MDNK--C	-36.03285			
MGT--C	-24.31097			
MJK--C	-29.33197			
MJKK--C	-29.02953			
MLG--C	-25.85589			
MLGK--C	-60.97290			
NGJ--C	30.47319			
NGW--C	-4.458319			
PCT--C	-5.443445			
PMK--C	36.89829			
PNG--C	-48.49823			
PRB--C	45.30426			
PRBK--C	-34.43203			
PSR--C	12.06424			
PSRK--C	-32.14867			
SBYK--C	-26.86831			
SDA--C	-27.81120			
SMN--C	89.17679			
SMP--C	63.89673			
STB--C	-69.09357			
TBN--C	75.21195			
TLG--C	-18.05283			
TRG--C	6.250461			
GLS Transformed Regression				

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R-squared	0.972409	Mean dependent var	187.6441
Adjusted R-squared	0.971849	S.D. dependent var	110.9142
S.E. of regression	18.60939	Sum squared resid	51253.77
Durbin-Watson stat	1.596689		

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Unweighted Statistics including Random Effects

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R-squared	0.978420	Mean dependent var	187.6441
Adjusted R-squared	0.977983	S.D. dependent var	110.9142
S.E. of regression	16.45766	Sum squared resid	40086.46
Durbin-Watson stat	2.041496		

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Estimasi Model dengan Metode *Random Effect* sebelum terbebas dari Multikolineartas

Dependent Variable: POVERTY?  
 Method: GLS (Variance Components)  
 Date: 06/11/10 Time: 13:40  
 Sample: 2005 2008  
 Included observations: 4  
 Number of cross-sections used: 38  
 Total panel (balanced) observations: 152

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	353.6806	65.83781	5.371998	0.0000
PDRB?	-0.003273	0.000854	-3.833259	0.0002
POPULASI?	0.000162	1.58E-05	10.22596	0.0000
AMH?	-3.074453	0.683454	-4.498404	0.0000
AHH?	-0.436157	0.353342	-1.234377	0.2190
Random Effects				
BATUK--C	-38.12496			
BDW--C	-37.34193			
BJN--C	71.68548			
BKL--C	72.73961			
BLT--C	-28.73414			
BLTK--C	-29.10372			
BWI--C	-45.59475			
GSK--C	79.55254			
JBR--C	-5.189041			
JMB--C	28.49574			
KDR--C	7.578325			
KDRK--C	29.28305			
LMG--C	45.08547			
LMJ--C	-18.88848			
MDN--C	-21.74813			
MDNK--C	-35.49698			
MGT--C	-23.05868			
MJK--C	-28.51216			
MJJK--C	-28.28677			
MLG--C	-24.58809			
MLGK--C	-60.98677			
NGJ--C	30.99218			
NGW--C	-3.304140			
PCT--C	-4.106583			
PMK--C	35.71021			
PNG--C	-47.25464			

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PRB--C	43.23344		
PRBK--C	-34.02636		
PSR--C	10.78253		
PSRK--C	-33.30027		
SBYK--C	-27.72335		
SDA--C	-27.35333		
SMN--C	88.53856		
SMP--C	62.86178		
STB--C	-70.27314		
TBN--C	75.53984		
TLG--C	-16.67269		
TRG--C	7.590350		
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GLS Transformed Regression			
R-squared	0.972568	Mean dependent var	187.6441
Adjusted R-squared	0.971822	S.D. dependent var	110.9142
S.E. of regression	18.61837	Sum squared resid	50956.61
Durbin-Watson stat	1.602253		
<hr/>			
Unweighted Statistics including Random Effects			
R-squared	0.978562	Mean dependent var	187.6441
Adjusted R-squared	0.977979	S.D. dependent var	110.9142
S.E. of regression	16.45907	Sum squared resid	39822.44
Durbin-Watson stat	2.050235		

Lampiran 5 : Uji Chow untuk menentukan Metode *Common Effect/OLS* atau *Fixed Effect*

$$F_{n-1,nt-n-k} = \frac{(SSE_1 - SSE_2)/(n-1)}{SSE_2/(nt - n - k)}$$

dimana:

$SSE_1$	: <i>Sum square error</i> dari model <i>common effect</i>	:	297275.8
$SSE_2$	: <i>Sum square error</i> dari model <i>individual effect</i>	:	32052,91
$n$	: Jumlah individu/ <i>cross section</i>	:	38
$t$	: Jumlah <i>time series</i>	:	4
$k$	: Jumlah variabel bebas	:	5

sehingga:

$$F_{n-1,nt-n-k} = \frac{(297275,8 - 32052,91)/(38-1)}{32052,91/(38*4 - 4 - 5)}$$

$$F_{n-1,nt-n-k} = \frac{(265222,9)/(37)}{32052,91/(143)}$$

$$F_{n-1,nt-n-k} = \frac{(7168,186)}{(224,1462)}$$

$$F_{n-1,nt-n-k} = 31,97996$$

$$F_{\text{tabel}} = (α, n-1, nt-n-k) = (0,05, 37, 152-38-5) = (0,05, 37, 109) = 1,50$$

### Kesimpulan:

Jika  $F_{\text{hitung}}$  lebih besar dari  $F_{\text{tabel}}$  maka tolak  $H_0$  dan terima  $H_1$ , sehingga model yang digunakan adalah model *Individual Effect/Fixed Effect*.

Lampiran 6 : Uji Hausmann untuk menentukan Metode *Fixed Effect* atau *Random Effect*

Hipotesis :

$H_0$  : ada gangguan antar individu  $\longrightarrow$  *random effect*

$H_1$  : tidak ada gangguan antar individu  $\longrightarrow$  *fixed effect*

Bentuk persamaan *Hausmann test* adalah :

$$W = \chi^2[K] = [\hat{\beta}_{OLS} - \hat{\beta}_{GLS}]' \hat{\Sigma}^{-1} [\hat{\beta}_{OLS} - \hat{\beta}_{GLS}]$$

*Hausmann Test* ini mengikuti distribusi *Chi-square* dengan K derajat kebebasan dimana K tersebut besarnya sama dengan jumlah koefisien slope hasil estimasi. Dengan perbandingan terhadap *Chi-square* Tabel, maka jika *Hausmann Test* lebih besar dari *Chi-square* Tabel maka cukup bukti untuk menolak hipotesis nol sehingga model yang lebih sesuai dalam menjelaskan dalam permodelan data panel tersebut adalah model efek tetap (MET), begitu pula sebaliknya.

*Hausmann test* dapat dilakukan dengan menuliskan *command*-nya di bawah menu utama windows, adapun perintahnya sebagai berikut:

1. Estimasi dengan metode *Fixed Effect*

```
poolhasil.ls(F) poverty? pdrb? populasi? amh?
```

```
vector beta = poolhasil.@coefs
```

```
matrix covar = poolhasil.@cov
```

```
vector b_fixed = @subextract(beta,1,1,3,1)
```

```
matrix cov_fixed = @subextract(covar,1,2,3,3)
```

2. Estimasi dengan metode *Random Effect*

```
poolhasil.ls(R) poverty? pdrb? populasi? amh?
```

```
beta = poolhasil.@coefs
```

```
covar = poolhasil.@cov
```

```
vector b_gls = @subextract(beta,2,1,4,1)
```

```
matrix cov_gls = @subextract(covar,2,2,4,4)
```

3. Perhitungan *Hausmann*

```
matrix b_diff = b_fixed - b_gls
```

```
matrix var_diff = cov_fixed - cov_gls
```

```
matrix qform = @transpose(b_diff)*@inverse(var_diff)*b_diff
```

Hasilnya:

$Q_u = Chi-square_{Hitung}$

QU				
	C1			
	Last updated: 12/16/10 - 03:59			
<b>R1</b>	9.032442			

$Chi-square_{Tabel} = (\alpha, k) = (0,05, 3) = 9,32743$

**Kesimpulan:**

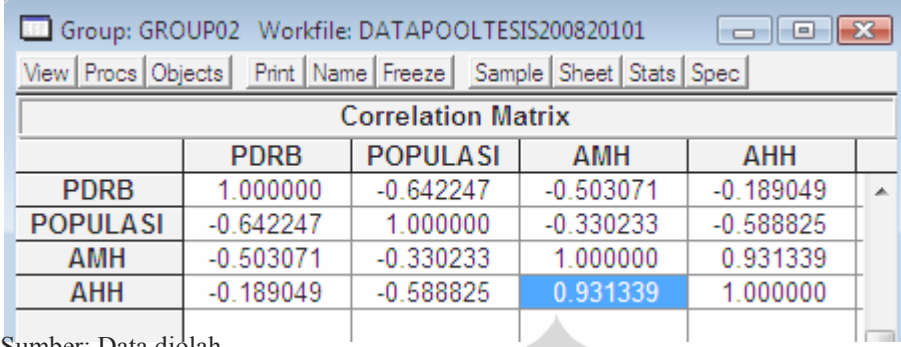
Karena  $Chi-square_{Hitung} = (9,032442) < Chi-square_{Tabel} (9,32743)$  maka terima  $H_0$ , artinya efek individu tidak berkorelasi dengan variabel bebas, sehingga model efek random (MER) adalah pilihan terbaik.

## Lampiran 7 : Pertumbuhan Ekonomi Jawa Timur Tahun 2005-2008

No	Sektor	Pertumbuhan Ekonomi				Rata-rata
		2005	2006	2007	2008	
1	Pertanian	<b>3,16%</b>	<b>3,99%</b>	<b>3,13%</b>	<b>3,12%</b>	<b>3,35%</b>
2	Pertambangan dan Penggalian	9,32%	8,58%	10,44%	9,26%	9,40%
3	Industri Pengolahan	4,61%	3,05%	4,64%	4,39%	4,17%
4	Listrik, Gas dan Air Bersih	6,18%	4,07%	11,81%	3,11%	6,29%
5	Konstruksi	3,48%	1,42%	1,21%	2,71%	2,21%
6	Perdagangan, Hotel dan restoran	9,15%	9,62%	8,39%	8,27%	8,86%
7	Pengangkutan dan komunikasi	5,00%	6,77%	7,77%	7,20%	6,68%
8	Keuangan, persewaan dan jasa perusahaan	7,49%	7,46%	8,47%	8,05%	7,87%
9	Jasa-jasa	4,23%	5,27%	5,88%	6,27%	5,41%
	<b>PDRB</b>	<b>5,84%</b>	<b>5,80%</b>	<b>6,11%</b>	<b>5,90%</b>	<b>5,91%</b>

Sumber: BPS, PDRB Jawa Timur 2005-20008

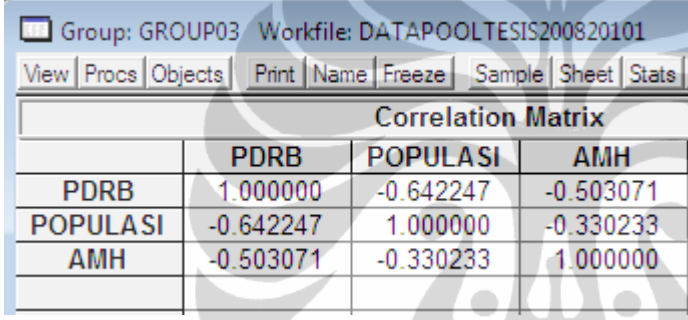
## Lampiran 8 : Korelasi Matrik antar variabel independen



Correlation Matrix				
	PDRB	POPULASI	AMH	AHH
PDRB	1.000000	-0.642247	-0.503071	-0.189049
POPULASI	-0.642247	1.000000	-0.330233	-0.588825
AMH	-0.503071	-0.330233	1.000000	0.931339
AHH	-0.189049	-0.588825	0.931339	1.000000

Sumber: Data diolah

## Korelasi Matrix antar variabel setelah variabel AHH dihilangkan



Correlation Matrix			
	PDRB	POPULASI	AMH
PDRB	1.000000	-0.642247	-0.503071
POPULASI	-0.642247	1.000000	-0.330233
AMH	-0.503071	-0.330233	1.000000

Sumber: Data diolah