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LAMPIRAN

Lampiran 1 Data Penelitian

Provinsi	Tahun	Output	Investasi	Upah	SDE	TENAGA KERJA
SULUT	2005	977,15	2.309,14	713.500	83.994.141	8.090
SULUT	2006	1.043,84	2.648,55	750.000	160.370.260	9.421
SULUT	2007	1.109,78	5.527,75	845.000	236.746.379	12.327
SULUT	2008	1.241,77	7.688,34	929.500	252.199.118	12.220
SULUT	2009	1.328,96	8.961,67	1.000.000	288.977.426	10.112
SULUT	2010	5.711,85	9.451,65	1.050.000	288.570.526	9.344
SULUT	2011	6.116,25	11.300,44	1.250.000	603.766.161	11.023
SULUT	2012	6.562,01	22.370,00	1.550.000	1.076.668.980	15.502
SULUT	2013	6.904,81	23.331,00	1.900.000	699.585.759	14.774
SULUT	2014	7.140,67	23.801,00	2.150.000	955.342.045	15.098
SULUT	2015	7.338,08	26.068,00	2.400.000	1.454.395.020	11.795
SULUT	2016	7.417,07	27.710,48	2.598.000	890.602.560	13.610
SULUT	2017	8.010,19	29.718,18	2.824.286	326.810.099	21.802
SULUT	2018	8.368,99	30.806,13	3.051.076	655.695.452	16.848
SULUT	2019	8.411,60	32.653,62	3.051.076	378.567.791	14.623
SULUT	2020	8.787,86	30.777,57	3.310.723	312.484.880	13.285
SULUT	2021	9.534,40	33.257,80	3.310.723	477.950.424	12.783
SULUT	2022	10.230,99	34.255,07	3.310.723	724.825.557	16.676
SULUT	2023	10.948,50	35.137,47	3.485.000	748.100.814	16.073
SULTENG	2005	787,11	2.075,78	550.000	18.617.378	3.399
SULTENG	2006	819,32	2.239,25	575.000	25.476.449	3.482
SULTENG	2007	886,68	2.734,46	615.000	32.336.519	3.090
SULTENG	2008	943,30	2.979,65	670.000	72.269.399	3.759
SULTENG	2009	1.022,93	3.222,34	720.000	61.940.789	3.167
SULTENG	2010	3.423,53	3.462,10	777.500	54.288.671	4.472
SULTENG	2011	3.591,52	3.827,30	827.500	62.981.451	4.900
SULTENG	2012	3.788,52	26.617,00	885.000	111.066.772	8.909
SULTENG	2013	3.956,81	31.553,00	995.000	122.667.537	9.286
SULTENG	2014	4.274,10	40.129,00	1.250.000	242.724.103	9.607
SULTENG	2015	8.119,83	47.976,00	1.500.000	174.134.934	9.249
SULTENG	2016	10.971,02	39.965,00	1.670.000	215.906.900	10.610
SULTENG	2017	12.208,80	41.367,00	1.807.775	257.678.866	15.827
SULTENG	2018	25.136,29	42.084,00	1.965.232	1.278.540.597	30.478
SULTENG	2019	29.483,94	42.084,00	2.123.040	447.725.778	47.587
SULTENG	2020	36.464,64	50.649,00	2.303.710	5.203.632.000	43.831
SULTENG	2021	43.618,21	46.704,00	2.303.711	861.990.284	26.843
SULTENG	2022	56.659,02	69.264,00	2.390.739	1.713.314.147	34.963
SULTENG	2023	71.124,90	85.345,00	2.599.546	1.843.403.044	37.290
SULSEL	2005	5.112,43	6.168,58	455.000	764.037.294	42.240
SULSEL	2006	5.481,51	6.304,06	510.000	800.681.218	43.149
SULSEL	2007	5.741,39	6.973,39	612.000	837.325.142	46.069

SULSEL	2008	6.241,44	8.414,11	679.200	1.440.147.510	44.486
SULSEL	2009	6.468,79	9.783,91	950.000	1.059.772.814	44.464
SULSEL	2010	23.604,50	57.259,19	1.000.000	582.730.690	35.692
SULSEL	2011	25.736,60	64.561,92	1.100.000	1.930.567.134	38.838
SULSEL	2012	27.966,10	74.678,05	1.200.000	1.766.934.234	56.436
SULSEL	2013	30.545,30	84.528,48	1.440.000	2.638.858.108	56.968
SULSEL	2014	33.432,90	92.471,79	1.800.000	2.686.723.793	57.552
SULSEL	2015	35.547,21	96.963,27	2.000.000	2.675.686.080	49.448
SULSEL	2016	38.473,77	103.857,19	2.250.000	3.833.615.340	48.736
SULSEL	2017	40.407,19	112.387,27	2.500.000	4.991.544.600	47.557
SULSEL	2018	40.786,59	118.819,80	2.647.767	3.543.341.158	47.241
SULSEL	2019	44.830,63	125.557,71	2.860.382	2.783.070.103	40.232
SULSEL	2020	42.781,92	127.770,24	3.103.800	2.167.666.126	39.933
SULSEL	2021	44.075,32	134.600,87	3.165.876	1.951.187.083	40.238
SULSEL	2022	48.363,16	138.985,73	3.165.876	3.544.499.891	46.150
SULSEL	2023	50.425,63	145.390,79	3.385.145	3.708.291.919	45.184
SULTRA	2005	579,43	1.945,61	498.600	189.097.481	5.121
SULTRA	2006	756,67	2.116,36	573.100	425.625.568	6.206
SULTRA	2007	835,50	2.301,11	600.000	662.153.655	7.756
SULTRA	2008	887,09	2.737,02	675.000	1.047.957.585	7.532
SULTRA	2009	862,65	3.085,38	770.000	598.883.243	4.787
SULTRA	2010	1.024,64	21.023,37	860.000	811.406.433	4.578
SULTRA	2011	1.091,29	22.317,69	930.000	285.492.534	4.549
SULTRA	2012	1.116,91	23.366,57	1.032.300	281.954.489	4.603
SULTRA	2013	1.169,73	24.807,79	1.125.207	32.521.182	4.979
SULTRA	2014	4.120,65	28.742,49	1.400.000	1.588.178.360	4.997
SULTRA	2015	4.439,22	29.956,18	1.652.000	68.827.560	5.351
SULTRA	2016	4.834,30	32.248,52	1.850.000	143.143.969	7.821
SULTRA	2017	5.142,94	35.067,20	2.002.625	217.460.378	9.719
SULTRA	2018	5.444,70	37.117,50	2.177.052	2.445.398.150	9.438
SULTRA	2019	6.088,17	38.755,86	2.351.870	1.185.278.560	10.513
SULTRA	2020	6.708,70	37.940,57	2.552.014	4.180.812.191	19.216
SULTRA	2021	7.137,13	40.239,52	2.552.014	1.025.406.830	25.682
SULTRA	2022	8.338,14	40.498,19	2.576.016	1.821.083.787	27.041
SULTRA	2023	9.405,88	41.641,63	2.758.984	1.922.372.976	39.612
GORONTALO	2005	192,88	744,40	435.000	15.143.884	4.060
GORONTALO	2006	181,45	803,27	527.000	22.397.968	4.571
GORONTALO	2007	191,23	883,11	560.000	29.652.052	3.093
GORONTALO	2008	201,69	1.068,54	600.000	36.744.689	4.562
GORONTALO	2009	209,08	1.278,03	675.000	84.162.215	9.315
GORONTALO	2010	632,22	4.863,97	710.000	116.242.581	3.110
GORONTALO	2011	681,36	5.288,34	762.500	9.385.477	8.687
GORONTALO	2012	737,13	5.726,69	837.500	10.690.654	8.240
GORONTALO	2013	796,02	6.216,49	1.175.000	11.808.899	3.378

GORONTALO	2014	843,80	6.722,08	1.325.000	23.991.569	3.701
GORONTALO	2015	883,13	7.317,38	1.600.000	183.502.260	3.298
GORONTALO	2016	941,23	7.721,29	1.875.000	117.702.428	3.842
GORONTALO	2017	973,80	7.957,56	2.030.000	51.902.595	4.983
GORONTALO	2018	1.039,70	8.288,28	2.206.813	47.539.037	5.678
GORONTALO	2019	1.159,78	8.559,36	2.384.020	52.823.986	5.745
GORONTALO	2020	1.172,89	8.474,69	2.788.826	60.393.728	5.624
GORONTALO	2021	1.235,29	8.714,44	2.586.900	17.646.684	5.490
GORONTALO	2022	1.331,47	8.874,28	2.800.850	21.741.470	5.657
GORONTALO	2023	1.335,46	9.188,43	2.989.350	18.631.582	5.281
SULBAR	2005	231,74	283,69	510.000	7.639.069	5249
SULBAR	2006	260,08	314,54	612.000	8.459.378	8174
SULBAR	2007	279,04	413,83	691.464	11.279.687	11.924
SULBAR	2008	293,04	566,83	760.500	10.497.575	3.410
SULBAR	2009	361,22	611,73	909.400	12.780.063	3.795
SULBAR	2010	417,09	4.548,89	944.200	20.003.073	2.745
SULBAR	2011	480,90	5.223,62	1.006.000	39.882.112	1.091
SULBAR	2012	507,71	5.599,71	1.127.000	32.929.742	1.125
SULBAR	2013	1.967,04	6.253,91	1.165.000	77.954.619	1.391
SULBAR	2014	2.668,88	6.726,60	1.400.000	551.299.377	1.439
SULBAR	2015	2.966,35	7.182,87	1.655.500	68.305.380	1.948
SULBAR	2016	2.893,31	7.984,38	1.864.000	71.614.665	1.831
SULBAR	2017	3.123,66	8.648,86	2.017.780	74.923.949	1.981
SULBAR	2018	3.358,28	9.196,96	2.193.530	37.457.449	2.111
SULBAR	2019	3.530,46	9.630,54	2.381.000	74.204.357	1.975
SULBAR	2020	3.406,47	8.810,68	2.571.328	109.336.864	1.773
SULBAR	2021	3.606,99	9.465,98	2.678.863	67.177.742	1.952
SULBAR	2022	3.583,98	9.455,27	2.800.850	48.192.446	2.150
SULBAR	2023	4.102,30	9.643,54	2.989.350	132.703.014	2.394

Data LN

Provinsi	Tahun	OUTPUT LN	INVESTASI LN	UPAH LN	SDE LN	TENAGA KERJA LN
SULUT	2005	6,884638125	7,744628599	13,47793772	18,2462576	8,99838401
SULUT	2006	6,950665332	7,88176911	13,52782849	18,89299582	9,150696519
SULUT	2007	7,011918879	8,617536502	13,64709191	19,2825	9,419547258
SULUT	2008	7,124289839	8,947460174	13,74240209	19,34572948	9,410829233
SULUT	2009	7,192150456	9,100711649	13,81551056	19,48185913	9,221478116
SULUT	2010	8,650298593	9,153944397	13,86430072	19,48045007	9,142489705
SULUT	2011	8,718704116	9,332596854	14,03865411	20,21869753	9,307739278
SULUT	2012	8,78905239	10,01547605	14,25376549	20,79713783	9,648724327
SULUT	2013	8,839973115	10,05753823	14,45736444	20,36599894	9,600624158
SULUT	2014	8,873562169	10,07748288	14,5809784	20,67758	9,622317564

SULUT	2015	8,900832916	10,16846379	14,6909793	21,09785586	9,375430992
SULUT	2016	8,911539245	10,22956596	14,77025248	20,60740883	9,518560096
SULUT	2017	8,98846976	10,29951426	14,85376615	19,60488982	9,989756988
SULUT	2018	9,032288009	10,33546898	14,93100487	20,30120699	9,731987234
SULUT	2019	9,037366747	10,393711	14,93100487	19,75190572	9,590350911
SULUT	2020	9,081126047	10,33454146	15,01267715	19,56006664	9,494390858
SULUT	2021	9,162661066	10,41204461	15,01267715	19,98501757	9,455871442
SULUT	2022	9,233176531	10,44158986	15,01267715	20,40144157	9,721698501
SULUT	2023	9,300957922	10,46702336	15,0639786	20,4330483	9,684896125
SULTENG	2005	6,66836801	7,638092747	13,21767356	16,739606	8,13123655
SULTENG	2006	6,708478389	7,713894481	13,26212532	17,05326501	8,15536212
SULTENG	2007	6,787486406	7,913688523	13,32937755	17,29170777	8,03592637
SULTENG	2008	6,849381185	7,999559445	13,41503299	18,09591135	8,231908244
SULTENG	2009	6,930428293	8,077864014	13,48700649	17,94168947	8,060540047
SULTENG	2010	8,138427461	8,149629465	13,56383892	17,80982613	8,405591015
SULTENG	2011	8,186329398	8,249914873	13,62616439	17,95835081	8,496990484
SULTENG	2012	8,239730193	10,18930539	13,69334292	18,52564213	9,094817281
SULTENG	2013	8,283192919	10,35942395	13,81049802	18,6249883	9,136263169
SULTENG	2014	8,360329535	10,59985454	14,03865411	19,30743598	9,170247278
SULTENG	2015	9,002064251	10,77845616	14,22097567	18,97534104	9,132270717
SULTENG	2016	9,303012165	10,59575935	14,32833418	19,19035785	9,269552232
SULTENG	2017	9,409912282	10,63023874	14,40760737	19,36722466	9,669472621
SULTENG	2018	10,1320677	10,6474229	14,49112086	20,96898511	10,32476039
SULTENG	2019	10,29160095	10,6474229	14,56835958	19,9196915	10,77031489
SULTENG	2020	10,50409828	10,83267477	14,65003142	22,37262268	10,68809661
SULTENG	2021	10,68323	10,75158509	14,65003186	20,57475456	10,19776036
SULTENG	2022	10,94480641	11,14568057	14,68711308	21,26169543	10,46205952
SULTENG	2023	11,17219279	11,35445714	14,77084737	21,33487918	10,52646759
SULSEL	2005	8,539430728	8,727223945	13,0280527	20,45412716	10,65112292
SULSEL	2006	8,609136409	8,748949149	13,142166	20,50097345	10,67241452
SULSEL	2007	8,65545662	8,849856756	13,32448756	20,54572301	10,73789555
SULSEL	2008	8,738966204	9,037665338	13,42867091	21,08801138	10,70292981
SULSEL	2009	8,774744353	9,188494479	13,76421726	20,7813204	10,70243515
SULSEL	2010	10,06919265	10,95534348	13,81551056	20,1832357	10,48268185
SULSEL	2011	10,15566938	11,07538002	13,91082074	21,38107965	10,56715443
SULSEL	2012	10,23874834	11,22094145	13,99783211	21,29251181	10,94086253
SULSEL	2013	10,32696611	11,34484378	14,18015367	21,69361213	10,95024499
SULSEL	2014	10,41729572	11,43465888	14,40329722	21,71158837	10,96044417
SULSEL	2015	10,47861695	11,48208755	14,50865774	21,70747166	10,80867689
SULSEL	2016	10,55773199	11,55077204	14,62644077	22,06707415	10,79417326
SULSEL	2017	10,60676302	11,62970597	14,73180129	22,33101124	10,76968427
SULSEL	2018	10,61610863	11,6853633	14,7892272	21,98833595	10,76301744
SULSEL	2019	10,71064689	11,74052081	14,86646574	21,74682051	10,60241798
SULSEL	2020	10,66387086	11,75798892	14,94813773	21,49691691	10,59495833

SULSEL	2021	10,69365527	11,81006913	14,96794035	21,39170378	10,6025671
SULSEL	2022	10,78649365	11,84212652	14,96794035	21,98866291	10,73965654
SULSEL	2023	10,82825486	11,88718048	15,0349073	22,03383721	10,71849832
SULTRA	2005	6,362050039	7,573329259	13,11955945	19,05777321	8,541105011
SULTRA	2006	6,628932064	7,657450974	13,2588155	19,86907057	8,733271845
SULTRA	2007	6,728030252	7,74114888	13,30468493	20,31100819	8,956222016
SULTRA	2008	6,787949622	7,914625093	13,42246797	20,77010895	8,92691589
SULTRA	2009	6,760003552	8,034428527	13,55414579	20,21057722	8,473659189
SULTRA	2010	6,932095439	9,953389754	13,66468767	20,51427964	8,429017501
SULTRA	2011	6,995113672	10,0131349	13,74293987	19,46972644	8,422662708
SULTRA	2012	7,018318814	10,05906146	13,84729988	19,45725623	8,434463544
SULTRA	2013	7,064527881	10,11891289	13,93347758	17,29740219	8,512984347
SULTRA	2014	8,323766935	10,26613181	14,15198279	21,18585351	8,516593011
SULTRA	2015	8,398233964	10,30749089	14,31749723	18,0471148	8,585038738
SULTRA	2016	8,48349162	10,38122739	14,4306962	18,77936146	8,964567703
SULTRA	2017	8,545380179	10,46502158	14,50996938	19,19752722	9,181838012
SULTRA	2018	8,602397937	10,52184395	14,59348223	21,61747379	9,152499372
SULTRA	2019	8,714102823	10,56503725	14,67072131	20,89324366	9,260367866
SULTRA	2020	8,811160471	10,54377627	14,75239341	22,15377137	9,863498544
SULTRA	2021	8,873066014	10,60260488	14,75239341	20,74835528	10,15354564
SULTRA	2022	9,028595449	10,60901256	14,76175458	21,32269765	10,20510951
SULTRA	2023	9,149090305	10,63685567	14,83037305	21,37682618	10,58688738
GORONTALO	2005	5,262078603	6,612574495	12,98310131	16,53310731	8,308938253
GORONTALO	2006	5,2009636	6,688685917	13,17495583	16,9244808	8,427487278
GORONTALO	2007	5,253471663	6,783452033	13,23569206	17,20504189	8,036896773
GORONTALO	2008	5,306746739	6,97404851	13,30468493	17,41950426	8,425516403
GORONTALO	2009	5,342712171	7,153072761	13,42246797	18,24825663	9,139381283
GORONTALO	2010	6,449232073	8,48961032	13,47302025	18,57118978	8,042378005
GORONTALO	2011	6,524095644	8,573260521	13,54435779	16,05467405	9,069582934
GORONTALO	2012	6,60276462	8,652892115	13,63817654	16,18488046	9,016755623
GORONTALO	2013	6,679625718	8,734960428	13,97677871	16,28436396	8,125039097
GORONTALO	2014	6,737919138	8,813152761	14,09692302	16,99321303	8,216358332
GORONTALO	2015	6,783472415	8,898007619	14,28551419	19,02773754	8,101071503
GORONTALO	2016	6,847187531	8,951736598	14,44411922	18,5836702	8,253748343
GORONTALO	2017	6,881205944	8,981877448	14,52354635	17,76487935	8,513787398
GORONTALO	2018	6,946687489	9,02259811	14,60705995	17,67706176	8,644354337
GORONTALO	2019	7,055985611	9,054780349	14,6842987	17,78247593	8,65608519
GORONTALO	2020	7,067226068	9,044838763	14,84113128	17,91639582	8,634798433
GORONTALO	2021	7,119061039	9,072736355	14,76597081	16,68605845	8,610683535
GORONTALO	2022	7,194038874	9,090912259	14,8454335	16,89473205	8,640648995
GORONTALO	2023	7,197031081	9,125700689	14,91056653	16,74036866	8,571870753
SULBAR	2005	5,445621706	5,647894148	13,142166	15,8487863	8,565792861
SULBAR	2006	5,560978472	5,751096788	13,32448756	15,95078621	9,008713664
SULBAR	2007	5,63135084	6,025449124	13,44656637	16,23851406	9,386308455

SULBAR	2008	5,68030475	6,340066263	13,54173139	16,16665484	8,13446757
SULBAR	2009	5,889487191	6,416287478	13,72054032	16,36339694	8,24143969
SULBAR	2010	6,033302026	8,422638577	13,75809329	16,81139647	7,917536354
SULBAR	2011	6,175659348	8,560945316	13,82149263	17,50143846	6,994849986
SULBAR	2012	6,229910418	8,630469481	13,93506979	17,30988682	7,025538315
SULBAR	2013	7,584285154	8,740961616	13,96823164	18,17163741	7,237778192
SULBAR	2014	7,889414188	8,813824819	14,15198279	20,12778855	7,271703707
SULBAR	2015	7,99508752	8,879454049	14,31961364	18,03949909	7,574558484
SULBAR	2016	7,970156454	8,98524193	14,43823527	18,08681043	7,512617545
SULBAR	2017	8,04676067	9,065183092	14,51750846	18,13198414	7,591357047
SULBAR	2018	8,119184217	9,126628437	14,60102268	17,43871615	7,654917048
SULBAR	2019	8,169183453	9,172695024	14,68303113	18,12233343	7,588323677
SULBAR	2020	8,133431843	9,083719776	14,75993305	18,50994417	7,480428306
SULBAR	2021	8,190628909	9,155459653	14,80090301	18,02285253	7,576609767
SULBAR	2022	8,184229194	9,154327444	14,8454335	17,69071284	7,673223121
SULBAR	2023	8,319303071	9,174043247	14,91056653	18,70362421	7,780720886

Lampiran 2 Hasil Estimasi

1. Uji Kesesuaian Model

a). Uji Chow

Redundant-Fixed Effects Tests
Equation: Untitled
Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	35.947955	(5,104)	0.0000
Cross-section Chi-square	114.417996	5	0.0000

b). Uji Hausman

Correlated-Random Effects - Hausman Test
Equation: Untitled
Test cross-section random effects

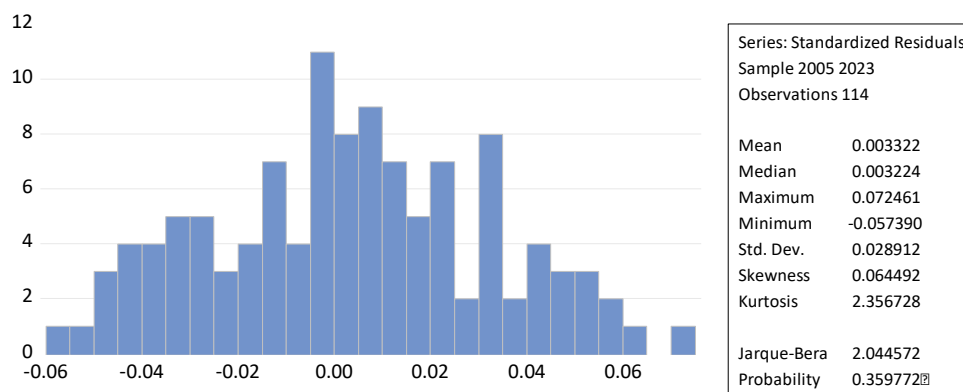
Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	1.916874	4	0.7510

2. Uji Asumsi Klasik

Uji Multikorenalitas

	INVESTASI	UPAH	SDE	TK
INVE...	1	0.7233559...	0.7584816...	0.6175753...
UPAH	0.7233559...	1	0.4150262...	0.2587934...
SDE	0.7584816...	0.4150262...	1	0.7476035...
TK	0.6175753...	0.2587934...	0.7476035...	1

Uji Normalitas



Uji Heterokedastisitas

Dependent Variable: ABS_RES
 Method: Panel EGLS (Cross-section random effects)
 Date: 05/09/24 Time: 12:02
 Sample: 2005 2023
 Periods included: 19
 Cross-sections included: 6
 Total panel (balanced) observations: 114
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.025387	0.053658	0.473118	0.6371
INVESTASI	0.000994	0.002457	0.404674	0.6865
UPAH	0.000769	0.004502	0.170704	0.8648
SDE	-0.003119	0.001689	-1.846192	0.0676
TK	0.004144	0.002506	1.653754	0.1011

Effects Specification		S.D.	Rho
Cross-section random		0.006994	0.1709
Idiosyncratic random		0.015404	0.8291

3. Hasil Estimasi Pooled EGLS Random Effect

Dependent Variable: OUTPUT?
 Method: Pooled EGLS (Cross-section random effects)
 Date: 05/09/24 Time: 11:42
 Sample: 1 19
 Included observations: 19
 Cross-sections included: 6
 Total pool (balanced) observations: 114
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-10.62836	1.276752	-8.324531	0.0000
INVESTASI?	0.384976	0.061863	6.223082	0.0000
UPAH?	0.647672	0.119718	5.409993	0.0000
SDE?	0.170229	0.039942	4.261876	0.0000
TK?	0.292165	0.063690	4.587280	0.0000
Random Effects (Cross)				
GORONTALO--C	-0.661612			
SULBAR--C	0.177006			
SULSEL--C	0.480324			
SULTENG--C	0.618784			
SULTRA--C	-0.483243			
SULUT--C	-0.131260			

Effects Specification		S.D.	Rho
Cross-section random		0.685979	0.7969
Idiosyncratic random		0.346260	0.2031

Weighted Statistics			
R-squared	0.897239	Mean dependent var	0.932020
Adjusted R-squared	0.893468	S.D. dependent var	1.050683
S.E. of regression	0.342935	Sum squared resid	12.81887
F-statistic	237.9284	Durbin-Watson stat	0.936430
Prob(F-statistic)	0.000000		

Unweighted Statistics			
R-squared	0.860564	Mean dependent var	8.102216
Sum squared resid	38.49358	Durbin-Watson stat	0.311844