



PROGRAM STUDI STATISTIKA
SK BAN-PT No. 1765/SK/BAN-PT/IAK-PPJ/S/III/2022
FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS PGRI ADI BUANA SURABAYA

FORM F.SK08
PERBAIKAN/REVISI SEMINAR DAN UJIAN SKRIPSI

Nama Mahasiswa : Aprila Pepinta Sedia
NIM : 192400029
Judul Skripsi : Permodelan Angka Kemiskinan Di Provinsi
Jawa Timur Tahun 2019-2021 Dengan
Pendekatan Regresi Data Panel
Dosen Pembimbing : Artanti Indrasetianingsih, S.Si.,M.Si

Materi Revisi Seminar dan Ujian Skripsi	Tanda Tangan Dosen Penguji
1. Perbaikan pada rumus CEM, FEM individu, FEM waktu dan REM	
2. perbaikan hasil interpretasi pada Uji Chow dan Uji Hausman	
3. Perbaikan pada hasil interpretasi model CEM, FEM dan REM	
4. Perbaikan pada interpretasi akhir	

Surabaya, 14 Agustus 2023

Pembimbing,

Artanti Indrasetianingsih
NIP/NPP : 0609466/04



PROGRAM STUDI STATISTIKA
SK BAN-PT No. 0804/SK/BAN-PT/Akred/S/III/2017
FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS PGRI ADI BUANA SURABAYA

FORM F.SK05
BUKTI BIMBINGAN SKRIPSI

Nama Mahasiswa : Aprila Pepinta Sedia
NIM : 192400029
Judul Skripsi : Permodelan Angka Kemiskinan Di Provinsi Jawa Timur Tahun 2019-2021 Dengan Pendekatan Regresi Data Panel
Dosen Pembimbing : Artanti Indrasetianingsih, S.Si., M.Si.

Materi Pembimbingan Skripsi	Tanda Tangan Dosen Pembimbing
perbaikan pada uji normalitas, autokorelasi dan uji heterokedastisitas.	
Perbaikan pada Uji F dan Uji T	
Perbaikan penulisan angka dan rata kanan pada tabel.	
Perbaikan pada model terbaik yaitu model FEM, serta menambahkan efek individu dan waktu	
Tambahan pada model akhir regresi data panel.	
Perbaikan pada nilai koefisien determinasi	
Perbaikan isi artikel serta penambahan model, perbaikan cara penulisan tanda titik dan tabel.	
Perbaikan pada hasil analisis artikel.	

LAMPIRAN

Lampiran 1 Tabel Data Penelitian tahun 2019-2021

Kabupaten	Tahun	Y	X1	X2	X3	X4	X5	X6	X7
Pacitan	2019	75.86	7.28	0.91	79.62	5.08	1763267.65	9033	555304
Pacitan	2020	80.82	7.6	2.28	80.36	-1.84	1913321.73	8796	586110
Pacitan	2021	84.19	7.61	2.04	80.57	2.49	1961154.77	8887	589108
Ponorogo	2019	83.97	7.21	3.5	71.15	5.01	1763267.65	9883	871370
Ponorogo	2020	86.74	7.54	4.45	71.51	-0.9	1913321.73	9670	949318
Ponorogo	2021	89.94	7.55	4.38	72.63	3.19	1938321.73	9851	955839
Trenggalek	2019	76.44	7.28	3.36	73.45	5.08	1763267.65	9865	696295
Trenggalek	2020	81.06	7.55	4.11	75.72	-2.17	1913321.73	9630	731125
Trenggalek	2021	84.89	7.56	3.53	72.36	3.65	1938321.73	9743	734888
Tulungagung	2019	70.01	8.07	3.92	70.48	5.32	1805219.94	10891	1039284
Tulungagung	2020	76.4	8.33	4.61	73.13	-3.09	1958844.16	10705	1089775
Tulungagung	2021	78.59	8.34	4.91	72.26	3.53	2010000	10807	1096588
Blitar	2019	103.75	7.29	3.05	72.93	5.12	1801406.09	10861	1160677
Blitar	2020	108.55	7.39	3.82	70.83	-2.29	1954705.75	10654	1223745
Blitar	2021	112.62	7.5	3.66	70.44	3.02	2004705.75	10757	1231013
Kediri	2019	163.95	8.01	3.58	71.76	5.06	1850986.07	11146	1574272
Kediri	2020	179.93	8.02	5.24	70.65	-2.41	2008504.16	11000	1635294
Kediri	2021	184.49	8.08	5.15	69.34	3.06	2033504.99	11127	1644400
Malang	2019	246.6	7.27	3.7	70.07	5.49	2781564.24	10270	2606204
Malang	2020	265.56	7.42	5.49	71.62	-2.68	3018530.66	10028	2654448
Malang	2021	276.58	7.43	5.4	68.49	3.12	3068275.36	10163	2668296
Lumajang	2019	98.88	6.22	2.73	66.24	4.61	1826831.72	9274	1042395
Lumajang	2020	102.6	6.4	3.36	66.92	-2.79	1982295.1	9088	1119251
Lumajang	2021	105.25	6.67	3.51	66.19	3.14	1982295.1	9203	1127094
Jember	2019	226.57	6.18	3.69	67.16	5.51	2170917.8	9525	2450668

Jember	2020	247.99	6.48	5.12	68.04	-2.98	2456302.97	9294	2536729
Jember	2021	257.09	6.49	5.44	68.97	4	2355662.91	9410	2550360
Banyuwangi	2019	121.37	7.13	3.95	72.13	5.55	2132779.35	12264	1613991
Banyuwangi	2020	130.37	7.16	5.34	71.8	-3.58	2319796.75	12140	1708114
Banyuwangi	2021	130.93	7.42	5.42	72.32	4.08	2314278.87	12217	1718462
Bondowoso	2019	103.33	5.71	2.86	76.01	5.3	1801406.09	10665	775715
Bondowoso	2020	110.24	5.93	4.13	75.09	-1.36	1954705.75	10610	776151
Bondowoso	2021	115.18	5.94	4.86	73.89	3.49	1954705.75	10690	778525
Situbondo	2019	76.44	6.12	2.77	72.4	5.44	1763267.65	10097	682978
Situbondo	2020	83.74	6.46	3.85	73.17	-2.33	1913321.73	9857	685967
Situbondo	2021	86.95	6.62	3.68	71.63	3.26	1938321.73	9996	688337
Probolinggo	2019	207.22	5.77	3.77	68.88	4.56	2306944.93	10972	1168503
Probolinggo	2020	218.35	6.11	4.86	72.89	-2.12	2503265.94	10859	1152537
Probolinggo	2021	223.32	6.12	4.55	73.24	3.35	2553265.95	10969	1155894
Pasuruan	2019	141.09	7.11	5.22	68.82	5.83	3861518	10381	1627396
Pasuruan	2020	151.43	7.4	6.24	67.67	-2.03	4190133.19	10164	1605969
Pasuruan	2021	159.78	7.41	6.03	69.03	4.34	4290133.19	10297	1611805
Sidoarjo	2019	119.29	10.25	4.62	66.98	5.99	3864696.2	14609	2249476
Sidoarjo	2020	127.05	10.5	10.97	67.17	-3.69	4193581.85	14458	2082801
Sidoarjo	2021	137.15	10.72	10.87	66.47	4.21	4293581.85	14578	2091930
Mojokerto	2019	108.81	8.49	3.61	69.46	5.81	3851983.38	12860	1117688
Mojokerto	2020	118.8	8.51	5.75	69.79	-1.11	4179787.17	12779	1119209
Mojokerto	2021	120.54	8.64	5.54	70.47	4.12	4279787.17	12844	1125522
Jombang	2019	116.44	8.53	4.28	71.04	5.1	2445945.88	11533	1263814
Jombang	2020	125.94	8.54	7.48	70.23	-1.98	2794801.59	11261	1318062
Jombang	2021	127.3	8.55	7.09	70.69	3.24	2654095.88	11394	1325914
Nganjuk	2019	118.51	7.63	3.16	66.78	5.36	1801406.09	12200	1054611
Nganjuk	2020	122.73	7.64	4.8	65.75	-1.71	1954705.75	12130	1103902
Nganjuk	2021	125.53	7.78	4.98	64.24	3.61	1954705.75	12172	1109683
Madiun	2019	71.91	7.8	3.52	70.47	5.42	1763267.65	11650	682684

Madiun	2020	78.3	8.81	4.8	71.42	-1.69	1913321.73	11574	744350
Madiun	2021	81.61	7.82	4.99	67.77	3.34	1951588.16	11658	750143
Magetan	2019	60.43	7.96	2.98	72.34	5.04	1763267.65	11779	628977
Magetan	2020	65.09	8.24	3.74	72.23	-1.64	1913321.73	11776	670812
Magetan	2021	67.75	8.36	3.86	73.31	3.04	1938321.73	11833	674133
Ngawi	2019	119.43	6.98	3.6	72.48	5.05	1763267.65	11468	830108
Ngawi	2020	128.19	7.06	5.44	72.69	-1.69	1913321.73	11418	870057
Ngawi	2021	130.81	7.26	4.25	72.88	2.55	1960510	11459	873346
Bojonegoro	2019	154.64	7.09	3.56	71.29	6.34	1858613.77	10265	1249692
Bojonegoro	2020	161.1	7.33	4.92	74.6	-0.4	2016780	10121	1301635
Bojonegoro	2021	166.52	7.38	4.82	71.84	-5.54	2066781.8	10221	1307602
Tuban	2019	170.8	6.81	2.7	68.76	5.14	2333641.85	10499	1172790
Tuban	2020	187.13	6.95	4.81	71.84	-5.85	2654095.87	10238	1198012
Tuban	2021	192.58	7.18	4.68	73.77	3	2532234.77	10380	1203127
Lamongan	2019	157.11	7.89	3.89	68.96	5.43	2233641.85	11572	1189106
Lamongan	2020	164.68	7.92	5.13	70.81	-2.65	2314278.87	11456	1344165
Lamongan	2021	166.82	8.04	4.9	70.72	3.43	2488724.77	11510	1356027
Gresik	2019	148.61	9.29	5.4	65.83	5.42	3867874.4	13295	1312881
Gresik	2020	164.05	9.3	8.21	66.53	-3.68	4197030.51	13246	1311215
Gresik	2021	166.35	9.56	8	69.43	3.79	4297030.51	13280	1320570
Bangkalan	2019	186.11	5.66	5.62	63.44	1.03	1801406.09	8718	986672
Bangkalan	2020	204	5.95	8.77	67	-5.59	1954705.75	8610	1060377
Bangkalan	2021	215.97	5.96	8.07	68.66	-2.07	1954705.75	8673	1071712
Sampang	2019	202.21	4.55	2.71	66.74	1.85	1763267.65	8760	978875
Sampang	2020	224.74	4.85	3.35	69.93	-0.29	1913321.73	8739	969694
Sampang	2021	237.23	4.86	3.45	70.19	0.22	1938321.73	8790	976020
Pamekasan	2019	122.43	6.4	2.26	68.5	4.92	1763267.65	8834	879992
Pamekasan	2020	129.41	6.69	3.49	69.82	-2.54	1913321.73	8739	850057
Pamekasan	2021	137.12	6.7	3.1	65.88	3.41	1938321.73	8804	853507
Sumenep	2019	211.98	5.46	2.08	75.33	0.14	1801406.09	9082	1088910

Sumenep	2020	220.23	5.71	2.84	75.02	-1.13	1954705.75	8888	1124436
Sumenep	2021	224.73	5.92	2.31	75.63	2.61	1954705.75	9000	1129822
Kota Kediri	2019	20.54	9.92	4.15	64.81	5.47	1899294.78	12440	287409
Kota Kediri	2020	22.19	9.93	6.21	66	-6.25	2060925	12239	286796
Kota Kediri	2021	22.55	10.15	6.37	67.35	2.5	2085924.76	12359	287962
Kota Blitar	2019	10.1	10.1	4.54	72.15	5.84	1801406.09	13851	141876
Kota Blitar	2020	11.1	10.11	6.68	69.53	-2.28	1954635.76	13733	149149
Kota Blitar	2021	11.33	10.35	6.61	69.96	4.28	2004705.75	13816	150371
Kota malang	2019	35.39	10.17	5.88	66.1	5.73	2668420.18	16666	870682
Kota malang	2020	38.77	10.18	9.61	66.41	-2.26	2895502.74	16593	843810
Kota malang	2021	40.62	10.41	9.65	67.59	4.21	2970502.73	16663	844933
Kota Probolinggo	2019	16.37	8.69	4.25	64.12	5.94	2137864.48	12280	237208
Kota Probolinggo	2020	17.72	8.7	6.7	69.07	-3.64	2355662.9	12180	239649
Kota Probolinggo	2021	17.91	8.95	6.55	69.71	4.06	2350000	12245	241202
Kota Pasuruan	2019	12.92	9.11	4.89	68.12	5.56	2575616.61	13393	200422
Kota Pasuruan	2020	13.4	9.12	6.33	70.05	-4.33	2532234.77	13281	208006
Kota Pasuruan	2021	13.97	9.33	6.23	71.66	3.64	2819801.59	13354	209528
Kota Mojokerto	2019	6.63	10.24	2.63	65.09	5.65	2263665.07	13710	129014
Kota Mojokerto	2020	8.09	10.25	6.74	68.21	-3.69	2423724.77	13499	132434
Kota Mojokerto	2021	8.37	10.47	6.87	67.09	3.65	2481302.97	13610	133272
Kota Madiun	2019	7.69	11.13	3.96	66.86	5.69	1801406.09	16040	177007
Kota Madiun	2020	8.83	11.14	8.32	68.63	-3.39	1954705.75	16018	195175
Kota Madiun	2021	9.06	11.37	8.15	66.87	4.73	1954705.75	16095	196917
Kota Surabaya	2019	130.55	10.47	5.76	68.76	6.69	3871052.61	17854	2896195
Kota Surabaya	2020	145.67	10.49	9.76	68.05	-4.85	4200479.19	17755	2874314

Kota Surabaya	2021	152.49	10.5	9.68	67.3	4.29	4300479.19	17862	2880284
Kota batu	2019	7.89	9.06	2.42	71.22	6.51	2575616.61	12870	207490
Kota batu	2020	8.12	9.07	5.93	72.33	-6.46	2794800	12824	213046
Kota batu	2021	8.63	9.31	6.57	73.74	4.64	2819801.59	12887	214653

Lampiran 2 Tabel Deskriptif Variabel Penelitian Tahun 589

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	38	6.63	246.60	108.2176	66.51109
X1	38	4.55	11.13	7.7982	1.61581
X2	38	.91	5.88	3.6539	1.08030
X3	38	63.44	79.62	69.6482	3.47028
X4	38	.14	6.51	5.0916	1.29866
X5	38	1763267.65	3871052.61	2254314.2421	699800.60706
X6	38	8718.00	17854.00	11614.6053	2193.52972
X7	38	133272.00	2880284.00	1075757.6053	671569.85907
Valid N (listwise)	38				

Lampiran 3 Tabel Deskriptif Variabel Penelitian Tahun 2020

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	38	8.09	265.56	116.2924	71.73998
X1	38	4.85	11.14	7.9416	1.52996
X2	38	2.28	10.97	5.6239	2.00347
X3	38	65.75	80.36	70.6197	3.15991
X4	38	-6.46	-.29	-2.7726	1.52253
X5	38	1913321.73	4200479.19	2446161.1576	759360.08081
X6	38	8610	17755	11475.00	2223.734
X7	38	129014	2896195	1044700.82	668377.162
Valid N (listwise)	38				

Lampiran 4 Tabel Deskriptif Variabel Penelitian Tahun 591

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	38	8.37	276.58	120.3353	74.35288
X1	38	4.86	11.37	8.0608	1.57658
X2	38	2.04	10.87	5.5197	2.01016
X3	38	64.24	80.57	70.3837	3.16885
X4	38	-5.54	4.73	3.0547	1.85505
X5	38	1938321.73	4300479.19	2482462.8818	783970.83973
X6	38	8673	17862	11568.53	2216.217
X7	38	132434	2874314	1070149.89	668739.786
Valid N (listwise)	38				

Lampiran 5 Tabel Uji Multikolinearitas

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	4361.653	4068.015		1.072	.286		
X1	-.436	.062	-.422	-7.050	.000	.414	2.416
X2	.115	.061	.108	1.871	.064	.445	2.248
X3	.006	.045	.006	.139	.890	.843	1.187
X4	-.002	.051	-.002	-.042	.966	.756	1.322
X5	-.100	.054	-.084	-1.843	.068	.706	1.415
X6	-.269	.070	-.256	-3.854	.000	.337	2.967
X7	.709	.045	.707	15.889	.000	.750	1.334

Lampiran 6 Tabel Common Effect Model (CEM)

Dependent Variable: Y
 Method: Panel Least Squares
 Date: 04/30/23 Time: 13:00
 Sample: 2019 2021
 Periods included: 3
 Cross-sections included: 38
 Total panel (balanced) observations: 114

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.265761	4.048941	1.053550	0.2945
X1	-0.436341	0.061871	-7.052488	0.0000
X2	0.115387	0.061236	1.884295	0.0623
X3	0.006098	0.044542	0.136899	0.8914
X4	-0.002024	0.051159	-0.039562	0.9685
X5	-0.098317	0.054203	-1.813865	0.0725
X6	-0.268358	0.069792	-3.845133	0.0002
X7	0.708173	0.044563	15.89136	0.0000
R-squared	0.843511	Mean dependent var		-2.505073
Adjusted R-squared	0.833177	S.D. dependent var		93.13722
S.E. of regression	38.04097	Akaike info criterion		10.18280
Sum squared resid	153394.2	Schwarz criterion		10.37481
Log likelihood	-572.4194	Hannan-Quinn criter.		10.26072
F-statistic	81.62336	Durbin-Watson stat		0.236764
Prob(F-statistic)	0.000000			

Lampiran 7 Tabel Fixed Effect Model (FEM)

Dependent Variable: Y
 Method: Panel Least Squares
 Date: 04/30/23 Time: 13:00
 Sample: 2019 2021
 Periods included: 3
 Cross-sections included: 38
 Total panel (balanced) observations: 114

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.677699	4.378841	-0.154767	0.8775
X1	0.010938	0.072717	0.150424	0.8809
X2	0.079871	0.031277	2.553619	0.0129
X3	0.035846	0.028519	1.256940	0.2130
X4	0.002871	0.017680	0.162364	0.8715
X5	-0.059373	0.147761	-0.401816	0.6891
X6	-4.13E-05	0.104508	-0.000395	0.9997
X7	1.457921	0.591201	2.466032	0.0162

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.990429	Mean dependent var	-2.505073
Adjusted R-squared	0.984325	S.D. dependent var	93.13722
S.E. of regression	11.66077	Akaike info criterion	8.037720
Sum squared resid	9382.181	Schwarz criterion	9.117798
Log likelihood	-413.1500	Hannan-Quinn criter.	8.476063
F-statistic	162.2709	Durbin-Watson stat	2.042924
Prob(F-statistic)	0.000000		

Lampiran 8 Tabel Random Effect Model (REM)

Dependent Variable: Y

Method: Panel EGLS (Cross-section random effects)

Date: 04/30/23 Time: 13:01

Sample: 2019 2021

Periods included: 3

Cross-sections included: 38

Total panel (balanced) observations: 114

Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.570820	6.634738	0.688922	0.4924
X1	-0.174715	0.052781	-3.310194	0.0013
X2	0.094628	0.026366	3.589073	0.0005
X3	0.051641	0.026249	1.967357	0.0518
X4	0.014869	0.016906	0.879509	0.3811
X5	-0.144909	0.077120	-1.879020	0.0630
X6	-0.319132	0.064581	-4.941553	0.0000
X7	0.762946	0.070915	10.75862	0.0000

Effects Specification

	S.D.	Rho
Cross-section random	37.94503	0.9137
Idiosyncratic random	11.66077	0.0863

Weighted Statistics

R-squared	0.583452	Mean dependent var	-0.437625
Adjusted R-squared	0.555944	S.D. dependent var	19.18025
S.E. of regression	12.78125	Sum squared resid	17316.19
F-statistic	21.21032	Durbin-Watson stat	1.525412
Prob(F-statistic)	0.000000		

Unweighted Statistics

R-squared	0.802822	Mean dependent var	-2.505073
Sum squared resid	193278.4	Durbin-Watson stat	0.136665

Lampiran 9 Tabel Uji Chow

Redundant Fixed Effects Tests

Equation: FEM

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	28.624798	(37,69)	0.0000
Cross-section Chi-square	318.538699	37	0.0000

Cross-section fixed effects test equation:

Dependent Variable: Y

Method: Panel Least Squares

Date: 04/30/23 Time: 13:02

Sample: 2019 2021

Periods included: 3

Cross-sections included: 38

Total panel (balanced) observations: 114

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.265761	4.048941	1.053550	0.2945
X1	-0.436341	0.061871	-7.052488	0.0000
X2	0.115387	0.061236	1.884295	0.0623
X3	0.006098	0.044542	0.136899	0.8914
X4	-0.002024	0.051159	-0.039562	0.9685
X5	-0.098317	0.054203	-1.813865	0.0725
X6	-0.268358	0.069792	-3.845133	0.0002
X7	0.708173	0.044563	15.89136	0.0000
R-squared	0.843511	Mean dependent var		-2.505073
Adjusted R-squared	0.833177	S.D. dependent var		93.13722
S.E. of regression	38.04097	Akaike info criterion		10.18280
Sum squared resid	153394.2	Schwarz criterion		10.37481
Log likelihood	-572.4194	Hannan-Quinn criter.		10.26072
F-statistic	81.62336	Durbin-Watson stat		0.236764
Prob(F-statistic)	0.000000			

Lampiran 10 Tabel Uji Hausman

Correlated Random Effects - Hausman Test

Equation: REM

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	28.349621	7	0.0002

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
X1	0.010938	-0.174715	0.002502	0.0002
X2	0.079871	0.094628	0.000283	0.3805
X3	0.035846	0.051641	0.000124	0.1566
X4	0.002871	0.014869	0.000027	0.0204
X5	-0.059373	-0.144909	0.015886	0.4974
X6	-0.000041	-0.319132	0.006751	0.0001
X7	1.457921	0.762946	0.344490	0.2364

Cross-section random effects test equation:

Dependent Variable: Y

Method: Panel Least Squares

Date: 04/30/23 Time: 13:04

Sample: 2019 2021

Periods included: 3

Cross-sections included: 38

Total panel (balanced) observations: 114

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.677699	4.378841	-0.154767	0.8775
X1	0.010938	0.072717	0.150424	0.8809
X2	0.079871	0.031277	2.553619	0.0129
X3	0.035846	0.028519	1.256940	0.2130
X4	0.002871	0.017680	0.162364	0.8715
X5	-0.059373	0.147761	-0.401816	0.6891
X6	-4.13E-05	0.104508	-0.000395	0.9997
X7	1.457921	0.591201	2.466032	0.0162

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.990429	Mean dependent var	-2.505073
Adjusted R-squared	0.984325	S.D. dependent var	93.13722
S.E. of regression	11.66077	Akaike info criterion	8.037720
Sum squared resid	9382.181	Schwarz criterion	9.117798
Log likelihood	-413.1500	Hannan-Quinn criter.	8.476063
F-statistic	162.2709	Durbin-Watson stat	2.042924
Prob(F-statistic)	0.000000		

Lampiran 11 Tabel Uji Lagrange Multiplier

Lagrange Multiplier Tests for Random Effects

Null hypotheses: No effects

Alternative hypotheses: Two-sided (Breusch-Pagan) and one-sided
(all others) alternatives

	Test Hypothesis		
	Cross-section	Time	Both
Breusch-Pagan	78.80721 (0.0000)	0.452741 (0.5010)	79.25995 (0.0000)
Honda	8.877343 (0.0000)	-0.672860 (0.7495)	5.801445 (0.0000)
King-Wu	8.877343 (0.0000)	-0.672860 (0.7495)	1.354942 (0.0877)
Standardized Honda	9.513309 (0.0000)	-0.019412 (0.5077)	2.497563 (0.0063)
Standardized King-Wu	9.513309 (0.0000)	-0.019412 (0.5077)	-0.493925 (0.6893)
Gourieroux, et al.	--	--	78.80721 (0.0000)

Lampiran 12 Tabel Fixed Effect Model (efek time series)

Dependent Variable: Y
 Method: Panel Least Squares
 Date: 05/10/23 Time: 12:47
 Sample: 2019 2021
 Periods included: 3
 Cross-sections included: 38
 Total panel (balanced) observations: 114

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.262521	4.210541	1.012345	0.3137
X1	-0.444940	0.062445	-7.125317	0.0000
X2	0.085984	0.066179	1.299266	0.1967
X3	-0.007351	0.046845	-0.156928	0.8756
X4	-0.004534	0.069060	-0.065659	0.9478
X5	-0.093913	0.054495	-1.723345	0.0878
X6	-0.250017	0.071547	-3.494454	0.0007
X7	0.710612	0.044759	15.87638	0.0000

Effects Specification

Period fixed (dummy variables)

R-squared	0.845743	Mean dependent var	-2.505073
Adjusted R-squared	0.832394	S.D. dependent var	93.13722
S.E. of regression	38.13014	Akaike info criterion	10.20352
Sum squared resid	151206.4	Schwarz criterion	10.44354
Log likelihood	-571.6006	Hannan-Quinn criter.	10.30093
F-statistic	63.35544	Durbin-Watson stat	0.216487
Prob(F-statistic)	0.000000		

Lampiran 13 Tabel Uji Serentak

R-squared	0.990429	Mean dependent var	-2.505073
Adjusted R-squared	0.984325	S.D. dependent var	93.13722
S.E. of regression	11.66077	Akaike info criterion	8.037720
Sum squared resid	9382.181	Schwarz criterion	9.117798
Log likelihood	-413.1500	Hannan-Quinn criter.	8.476063
F-statistic	162.2709	Durbin-Watson stat	2.042924
Prob(F-statistic)	0.000000		

Lampiran 14 Tabel Uji Parsial

— Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.677699	4.378841	-0.154767	0.8775
X1	0.010938	0.072717	0.150424	0.8809
X2	0.079871	0.031277	2.553619	0.0129
X3	0.035846	0.028519	1.256940	0.2130
X4	0.002871	0.017680	0.162364	0.8715
X5	-0.059373	0.147761	-0.401816	0.6891
X6	-4.13E-05	0.104508	-0.000395	0.9997
X7	1.457921	0.591201	2.466032	0.0162

Lampiran 15 Tabel Uji Normalitas

Descriptive Statistics

	N	Skewness		Kurtosis	
	Statistic	Statistic	Std. Error	Statistic	Std. Error
Unstandardized Residual	114	.614	.226	.733	.449
Valid N (listwise)	114				

Lampiran 16 Tabel Uji Autokorelasi

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.677699	4.378841	-0.154767	0.8775
X1	0.010938	0.072717	0.150424	0.8809
X2	0.079871	0.031277	2.553619	0.0129
X3	0.035846	0.028519	1.256940	0.2130
X4	0.002871	0.017680	0.162364	0.8715
X5	-0.059373	0.147761	-0.401816	0.6891
X6	-4.13E-05	0.104508	-0.000395	0.9997
X7	1.457921	0.591201	2.466032	0.0162

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.990429	Mean dependent var	-2.505073
Adjusted R-squared	0.984325	S.D. dependent var	93.13722
S.E. of regression	11.66077	Akaike info criterion	8.037720
Sum squared resid	9382.181	Schwarz criterion	9.117798
Log likelihood	-413.1500	Hannan-Quinn criter.	8.476063
F-statistic	162.2709	Durbin-Watson stat	2.042924
Prob(F-statistic)	0.000000		

Lampiran 17 Tabel Uji Heterokedastisitas

Dependent Variable: RESABS
 Method: Panel Least Squares
 Date: 05/18/23 Time: 19:11
 Sample: 2019 2021
 Periods included: 3
 Cross-sections included: 38
 Total panel (balanced) observations: 114

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.883816	0.832912	5.863543	0.0000
X1	-0.012244	0.012727	-0.961999	0.3382
X2	-0.018161	0.012597	-1.441681	0.1523
X3	-0.007118	0.009163	-0.776836	0.4390
X4	-0.003221	0.010524	-0.306068	0.7602
X5	-0.003295	0.011150	-0.295528	0.7682
X6	0.017085	0.014357	1.190011	0.2367
X7	0.012757	0.009167	1.391635	0.1669
R-squared	0.053348	Mean dependent var		4.706452
Adjusted R-squared	-0.009167	S.D. dependent var		7.789829
S.E. of regression	7.825450	Akaike info criterion		7.020231
Sum squared resid	6491.193	Schwarz criterion		7.212245
Log likelihood	-392.1532	Hannan-Quinn criter.		7.098159
F-statistic	0.853370	Durbin-Watson stat		0.598306
Prob(F-statistic)	0.545972			

Lampiran 18 Tabel Determinasi R^2

Cross-section fixed (dummy variables)			
R-squared	0.990429	Mean dependent var	-2.505073
Adjusted R-squared	0.984325	S.D. dependent var	93.13722
S.E. of regression	11.66077	Akaike info criterion	8.037720
Sum squared resid	9382.181	Schwarz criterion	9.117798
Log likelihood	-413.1500	Hannan-Quinn criter.	8.476063
F-statistic	162.2709	Durbin-Watson stat	2.042924
Prob(F-statistic)	0.000000		

Lampiran 19 Tabel Model Efek Cross Section Dari 38 Kabupaten

CROSSID	Effect
1	3.297995
2	0.561185
3	-0.979169
4	0.170598
5	0.388537
6	0.408035
7	-136.1813
8	8.094833
9	-134.2339
10	-0.481429
11	0.224498
12	4.503195
13	145.7040
14	13.59272
15	-238.8438
16	14.01954
17	-5.994300
18	5.793432
19	0.866471
20	3.482213
21	1.246865
22	-0.716207
23	73.46233
24	0.968478
25	8.547374
26	118.9804
27	158.4038
28	6.693515
29	154.3724
30	41.21153
31	52.63906
32	-119.0790
33	45.45652
34	45.06708
35	56.61133
36	32.87365
37	-399.6978
38	38.56514