



LAMPIRAN

Lampiran 1. Data Penelitian

Cross Section	Tahun	Tingkat Kemiskinan (Persen)	Ketimpangan Pendapatan	Jumlah Penduduk	Tingkat Kriminalitas
		X1	X2	X3	Y
Jembrana	2011	6.56	0.402	273.9	555
	2012	5.74	0.3706	275.1	555
	2013	5.56	0.371	268	500
	2014	5.83	0.3863	269.8	429
	2015	5.84	0.3079	271.2	488
	2016	5.33	0.3627	273.2	374
	2017	5.38	0.317	275.1	188
	2018	5.2	0.3272	277	160
	2019	4.88	0.2903	278.7	157
	2020	4.51	0.3531	317.1	124
	2021	5.06	0.317	318.8	132
	2022	5.3	0.326	321.2	226
	2023	4.96	0.326	323.5	691
	2024	4.51	0.2884	325.6	258
Tabanan	2011	5.62	0.3648	437.6	413
	2012	4.9	0.3473	441.9	553
	2013	5.21	0.3862	430.6	442
	2014	5.61	0.4026	433.3	427
	2015	5.52	0.3557	435.4	420
	2016	5	0.3444	438.4	292
	2017	4.92	0.3108	441.3	197
	2018	4.46	0.3249	444	183
	2019	4.21	0.308	446.7	207
	2020	4.27	0.3239	461.6	157
	2021	5.12	0.311	462.9	158
	2022	5.18	0.299	464.5	211
	2023	4.7	0.347	466.1	1057
	2024	4.4	0.3007	467.7	180
Badung	2011	2.62	0.3385	399.8	644
	2012	2.16	0.3258	420	627
	2013	2.46	0.3468	589	788
	2014	2.54	0.3404	602.7	540
	2015	2.33	0.3147	616	380
	2016	2.06	0.3151	631.5	488
	2017	2.06	0.319	647.1	409

Cross Section	Tahun	Tingkat Kemiskinan (Persen)	Ketimpangan Pendapatan	Jumlah Penduduk	Tingkat Kriminalitas
		X1	X2	X3	Y
	2018	1.98	0.3392	662.9	437
	2019	1.78	0.3244	678.9	545
	2020	2.02	0.3167	548.2	429
	2021	2.62	0.332	552.8	364
	2022	2.53	0.316	558.1	733
	2023	2.3	0.28	563.3	1340
	2024	2.23	0.2808	568.5	590
Gianyar	2011	5.4	0.3279	473.5	816
	2012	4.69	0.3362	458.1	897
	2013	4.27	0.3254	486	795
	2014	4.57	0.3774	490.5	840
	2015	4.61	0.3249	494.5	840
	2016	4.44	0.3049	499.7	754
	2017	4.46	0.2682	504.6	373
	2018	4.19	0.305	509.5	313
	2019	3.88	0.2866	514.3	243
	2020	4.08	0.3171	515.3	210
	2021	4.85	0.333	517.7	204
	2022	4.7	0.307	520.9	281
	2023	4.47	0.317	524	1331
	2024	4	0.286	527.1	322
Klungkung	2011	6.1	0.3777	186.4	298
	2012	5.37	0.3473	190.8	429
	2013	7.01	0.3599	173.9	398
	2014	7.01	0.3543	174.8	408
	2015	6.91	0.3695	175.4	299
	2016	6.35	0.3601	176.4	231
	2017	6.29	0.3714	177.4	172
	2018	5.86	0.3915	178.3	126
	2019	5.4	0.3847	179.1	130
	2020	4.87	0.3575	206.9	86
	2021	5.64	0.346	207.3	102
	2022	6.07	0.351	208.1	185
	2023	5.61	0.338	208.7	421
	2024	5.3	0.3071	209.3	113
Bangli	2011	5.16	0.2678	216	226
	2012	4.52	0.3053	216.8	290
	2013	5.45	0.3073	220	269

Cross Section	Tahun	Tingkat Kemiskinan (Persen)	Ketimpangan Pendapatan	Jumlah Penduduk	Tingkat Kriminalitas
		X1	X2	X3	Y
	2014	5.86	0.3285	221.3	206
	2015	5.73	0.3838	222.3	294
	2016	5.22	0.3537	223.7	208
	2017	5.23	0.3005	225.1	126
	2018	4.89	0.3126	226.4	97
	2019	4.44	0.2744	227.6	96
	2020	4.19	0.2829	258.7	89
	2021	5.09	0.285	259.3	130
	2022	5.28	0.288	260.4	143
	2023	5.28	0.282	261.4	260
	2024	5.06	0.3021	262.3	111
Karangasem	2011	6.43	0.2916	448.5	471
	2012	5.63	0.2877	457.2	449
	2013	6.88	0.3293	404.3	409
	2014	7.3	0.3371	406.6	368
	2015	7.44	0.3089	408.1	268
	2016	6.61	0.293	410.5	279
	2017	6.55	0.3232	412.8	146
	2018	6.28	0.3393	415	123
	2019	6.25	0.3125	417	126
	2020	5.91	0.3268	492.4	118
	2021	6.78	0.318	494.9	105
	2022	6.98	0.297	497.5	125
	2023	6.56	0.337	500	802
	2024	6.52	0.2833	502.3	159
Buleleng	2011	5.93	0.3434	675.5	1158
	2012	5.19	0.333	693.6	1315
	2013	6.31	0.3755	638.3	927
	2014	6.79	0.3931	642.3	843
	2015	6.74	0.3373	645.4	128
	2016	5.79	0.336	649.8	617
	2017	5.74	0.3086	654	344
	2018	5.36	0.3446	658	363
	2019	5.19	0.2847	661.9	320
	2020	5.32	0.2851	791.8	257
	2021	6.12	0.282	796.4	273
	2022	6.21	0.281	802.8	339
	2023	5.85	0.314	808.9	1168

Cross Section	Tahun	Tingkat Kemiskinan (Persen)	Ketimpangan Pendapatan	Jumlah Penduduk	Tingkat Kriminalitas
		X1	X2	X3	Y
	2024	5.39	0.2785	814.8	585
Denpasar	2011	1.79	0.3399	531.9	2812
	2012	1.52	0.4248	532.8	2851
	2013	2.07	0.3638	846.2	3052
	2014	2.21	0.3809	863.6	2559
	2015	2.39	0.3589	880	3559
	2016	2.15	0.3307	899.3	2231
	2017	2.27	0.3414	918.7	1399
	2018	2.24	0.3422	938.2	1156
	2019	2.1	0.3473	957.8	1542
	2020	2.14	0.3301	725.3	1019
	2021	2.96	0.375	733.3	896
	2022	2.97	0.368	741	1117
	2023	2.68	0.342	748.4	3372
	2024	2.59	0.3413	755.6	2208

Lampiran 2. Uji Multikolinearitas

Variance Inflation Factors

Date: 07/08/25 Time: 18:53

Sample: 1 126

Included observations: 126

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
C	245459.0	138.5451	NA
X1	1027.339	14.46677	1.344219
X2	1663147.	103.0136	1.004065
X3	0.058056	8.446342	1.348524



Lampiran 3. Uji Heteroskedastisitas

Heteroskedasticity Test: Glejser
Null hypothesis: Homoskedasticity

F-statistic	28.16027	Prob. F(3,122)	0.0000
Obs*R-squared	51.55240	Prob. Chi-Square(3)	0.0000
Scaled explained SS	65.76378	Prob. Chi-Square(3)	0.0000

Test Equation:
Dependent Variable: ARESID
Method: Least Squares
Date: 07/22/25 Time: 07:54
Sample: 1 126
Included observations: 126

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.787334	263.5023	0.018168	0.9855
X1	-94.51408	17.04716	-5.544273	0.0000
X2	1793.698	685.8992	2.615104	0.0100
X3	0.406525	0.128149	3.172274	0.0019
R-squared	0.409146	Mean dependent var	335.6575	
Adjusted R-squared	0.394617	S.D. dependent var	322.9676	
S.E. of regression	251.2894	Akaike info criterion	13.92232	
Sum squared resid	7703857.	Schwarz criterion	14.01236	
Log likelihood	-873.1061	Hannan-Quinn criter.	13.95890	
F-statistic	28.16027	Durbin-Watson stat	1.931929	
Prob(F-statistic)	0.000000			



Lampiran 4. Uji Heteroskedastisitas Setelah Tranformasi

Heteroskedasticity Test: Glejser
Null hypothesis: Homoskedasticity

F-statistic	0.036192	Prob. F(3,122)	0.9907
Obs*R-squared	0.112037	Prob. Chi-Square(3)	0.9904
Scaled explained SS	0.090634	Prob. Chi-Square(3)	0.9929

Test Equation:
Dependent Variable: ARESID
Method: Least Squares
Date: 07/22/25 Time: 08:01
Sample: 1 126
Included observations: 126

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.309199	0.572999	0.539616	0.5904
LOG(X1)	0.019468	0.086689	0.224570	0.8227
LOG(X2)	-0.052221	0.299848	-0.174159	0.8620
LOG(X3)	0.015342	0.072940	0.210339	0.8338
R-squared	0.000889	Mean dependent var	0.489118	
Adjusted R-squared	-0.023679	S.D. dependent var	0.324238	
S.E. of regression	0.328055	Akaike info criterion	0.639958	
Sum squared resid	13.12962	Schwarz criterion	0.729999	
Log likelihood	-36.31737	Hannan-Quinn criter.	0.676539	
F-statistic	0.036192	Durbin-Watson stat	1.879126	
Prob(F-statistic)	0.990739			



Lampiran 5. *Fixed Effect Model (FEM)*

Dependent Variable: LOG(Y)

Method: Panel Least Squares

Date: 07/22/25 Time: 18:33

Sample: 2011 2024

Periods included: 14

Cross-sections included: 9

Total panel (balanced) observations: 126

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	10.30073	3.065283	3.360450	0.0011
LOG(X1)	0.572996	0.474140	1.208495	0.2294
LOG(X2)	1.662376	0.650942	2.553801	0.0120
LOG(X3)	-0.555035	0.507439	-1.093797	0.2763

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.664113	Mean dependent var	5.951061
Adjusted R-squared	0.631703	S.D. dependent var	0.887766
S.E. of regression	0.538763	Akaike info criterion	1.691312
Sum squared resid	33.09032	Schwarz criterion	1.961434
Log likelihood	-94.55266	Hannan-Quinn criter.	1.801054
F-statistic	20.49087	Durbin-Watson stat	1.222155
Prob(F-statistic)	0.000000		



Lampiran 6. Uji Chow

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

Effects Test	Statistic	d.f.	Prob.
Cross-section F	4.390293	(8,114)	0.0001
Cross-section Chi-square	33.839648	8	0.0000

Cross-section fixed effects test equation:

Dependent Variable: LOG(Y)

Method: Panel Least Squares

Date: 07/22/25 Time: 18:34

Sample: 2011 2024

Periods included: 14

Cross-sections included: 9

Total panel (balanced) observations: 126

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.105744	1.040391	4.907522	0.0000
LOG(X1)	-0.656487	0.157401	-4.170797	0.0001
LOG(X2)	3.236973	0.544432	5.945595	0.0000
LOG(X3)	0.899637	0.132437	6.792920	0.0000
R-squared	0.560629	Mean dependent var	5.951061	
Adjusted R-squared	0.549825	S.D. dependent var	0.887766	
S.E. of regression	0.595648	Akaike info criterion	1.832897	
Sum squared resid	43.28514	Schwarz criterion	1.922937	
Log likelihood	-111.4725	Hannan-Quinn criter.	1.869477	
F-statistic	51.88988	Durbin-Watson stat	0.915831	
Prob(F-statistic)	0.000000			

Lampiran 7. *Random Effect Model (REM)*

Dependent Variable: LOG(Y)

Method: Panel EGLS (Cross-section random effects)

Date: 07/22/25 Time: 18:35

Sample: 2011 2024

Periods included: 14

Cross-sections included: 9

Total panel (balanced) observations: 126

Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.093340	1.493849	3.409541	0.0009
LOG(X1)	-0.533933	0.235203	-2.270091	0.0250
LOG(X2)	2.900159	0.555770	5.218271	0.0000
LOG(X3)	0.809239	0.204649	3.954285	0.0001

Effects Specification		S.D.	Rho
Cross-section random		0.225999	0.1496
Idiosyncratic random		0.538763	0.8504

Weighted Statistics			
R-squared	0.294392	Mean dependent var	3.197711
Adjusted R-squared	0.277041	S.D. dependent var	0.665354
S.E. of regression	0.565731	Sum squared resid	39.04625
F-statistic	16.96683	Durbin-Watson stat	0.998639
Prob(F-statistic)	0.000000		

Unweighted Statistics			
R-squared	0.551449	Mean dependent var	5.951061
Sum squared resid	44.18948	Durbin-Watson stat	0.882407



Lampiran 8. 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	15.518872	3	0.0014

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(X1)	0.572996	-0.533933	0.169488	0.0072
LOG(X2)	1.662376	2.900159	0.114845	0.0003
LOG(X3)	-0.555035	0.809239	0.215613	0.0033

Cross-section random effects test equation:

Dependent Variable: LOG(Y)

Method: Panel Least Squares

Date: 07/22/25 Time: 18:35

Sample: 2011 2024

Periods included: 14

Cross-sections included: 9

Total panel (balanced) observations: 126

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	10.30073	3.065283	3.360450	0.0011
LOG(X1)	0.572996	0.474140	1.208495	0.2294
LOG(X2)	1.662376	0.650942	2.553801	0.0120
LOG(X3)	-0.555035	0.507439	-1.093797	0.2763

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.664113	Mean dependent var	5.951061
Adjusted R-squared	0.631703	S.D. dependent var	0.887766
S.E. of regression	0.538763	Akaike info criterion	1.691312
Sum squared resid	33.09032	Schwarz criterion	1.961434
Log likelihood	-94.55266	Hannan-Quinn criter.	1.801054
F-statistic	20.49087	Durbin-Watson stat	1.222155
Prob(F-statistic)	0.000000		

Lampiran 9. Intersep Setiap Kabupaten

	CROSSID	Effect
1	1	-0.617257
2	2	-0.323300
3	3	0.972689
4	4	0.411288
5	5	-1.360033
6	6	-1.106943
7	7	-0.628078
8	8	0.442448
9	9	2.209185



RIWAYAT HIDUP



Ida Ayu Vidyadevi Maharani lahir di Denpasar pada tanggal 11 Juli 2000. Penulis lahir dari pasangan suami istri Bapak Ida Bagus Putra Sumerta dan Ibu Ida Ayu Gede Ayuni. Penulis berkebangsaan Indonesia dan beragama Hindu. Penulis berasal dari Banjar Sedang, Desa Sedang, Kecamatan Abiansemal, Kabupaten Badung, Provinsi Bali. Penulis menyelesaikan Pendidikan dasar di SD Negeri 1 Sedang dan lulus tahun 2012. Kemudian penulis melanjutkan di SMP Negeri 2 Abiansemal dan lulus tahun 2015. Pada tahun 2018 penulis lulus dari SMA Negeri 1 Abiansemal di jurusan IPA dan melanjutkan ke Strata 1 Jurusan Matematika di Universitas Pendidikan Ganesha. Pada semester akhir penulis telah menyelesaikan Skripsi sebagai syarat untuk mendapatkan gelar Sarjana Sains yang berjudul “Pengaruh Tingkat Kemiskinan, Ketimpangan Pendapatan Dan Jumlah Penduduk Terhadap Tingkat Kriminalitas Di Provinsi Bali Menggunakan Analisis Data Panel”.

