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# LAMPIRAN



Lampiran 1. Data Variabel Respon dan Variabel-variabel Prediktor

Kab/Kota	Y			X1			X2			X3			X4		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
Kepulauan Selayar	2.44	2.81	1.49	67.38	67.76	68.35	49.87	49.64	49.89	17.04	16.93	16.74	3620.02	3765.56	3903.8
Bulukumba	3.42	3.14	1.26	68.99	69.62	70.34	65.78	66.47	65.94	30	31.31	31.29	8604.2	9013.58	9357.11
Bantaeng	4.27	4.07	2.72	68.73	68.99	69.69	52.8	51.68	51.17	16.84	17.78	17.22	5650.54	6151.45	7102.04
Jeneponto	2.31	2.38	2.21	64.26	64.56	65.13	51.38	51.07	51.63	53.24	52.35	50.59	6696.42	7058.35	7327.53
Takalar	4.16	3.93	2.63	67.31	67.72	68.31	58.93	59.72	58.79	25.38	24.6	24.75	6575.76	6908.05	7228.4
Gowa	6.44	4.3	3.26	70.14	70.29	70.99	60.5	60.34	60.37	57.68	58.66	57.96	14025.76	15043.7	15734.85
Sinjai	2.65	2.61	1.8	67.6	67.75	68.33	69.43	70.08	69.45	22.06	21.69	21.67	7200.23	7576.83	7945.62
Maros	6.28	6.3	5.04	69.86	70.41	71	66.04	66.37	66.55	34.62	34.11	33.9	12233.66	12400.62	13532.96
Pangkep	5.18	5.86	5.23	68.72	69.21	69.79	58.1	58.47	58.27	47.12	48.4	47.53	16915.23	17500.61	18363.59
Barru	6.39	6.74	5.32	71	71.13	71.53	62.77	62.56	62.85	14.44	15.18	14.73	4839.12	5069.99	5329.31
Bone	3.2	4.15	2.27	66.06	66.4	67.01	51.77	50.91	53.19	81.33	79.64	80.34	22053.74	23273.87	24491.73
Soppeng	4.42	3.92	3.4	68.67	68.99	69.7	69.63	68.83	69.7	17.23	17.27	17.21	7146.65	7585.98	8054.42
Wajo	4.33	4.32	2.54	69.15	69.62	70.26	55.08	54.8	54.71	27.69	26.22	26.75	12708.31	13569.28	13891.79
Sidrap	5.91	4.93	3.56	71.21	71.54	72.06	58.67	57.98	58.58	15.36	15.25	15.56	8401.06	8866.07	9297.02
Pinrang	4.19	4.06	2.79	71.26	71.45	71.97	61.21	61.38	61.58	33.56	33.51	33.64	12826.45	13472.49	14082
Enrekang	2.44	2.34	0.58	72.76	72.91	73.39	69.8	69.9	69.67	25.25	26.13	26.15	4592.23	4884.37	5065.36
Luwu	4.94	4.8	3.85	70.51	70.85	71.36	67.26	67.31	65.25	46.04	46.26	46.5	9855.91	10449.75	11044.67
Tana Toraja	2.6	3.09	2.32	68.75	69.49	69.88	51.44	51.87	52.62	28.41	29.33	29.31	4545.29	4780.98	5025.78
Luwu Utara	3.01	3.91	2.81	69.57	70.02	70.51	61	61.33	61.54	42.2	43.15	42.29	8172.74	8491.5	8876.97
Luwu Timur	4.46	4.96	4.48	73.22	73.34	73.92	62.06	61.26	61.95	20.82	20.99	20.89	16256.9	16030.5	16.349.57
Tana Toraja Utara	3.17	2.61	1.99	69.33	69.75	70.36	68.77	68.7	68.42	27.88	28.39	27.79	5148.55	5357.13	5639.38
	15.92	13.18	11.82	82.25	82.66	83.12	59.39	60	59.64	69.98	74.79	71.83	120905.8	126312.8	133132
	7.14	6.72	5.6	77.86	78.21	78.54	63.47	63.86	64.27	7.96	7.93	8.01	4944.03	5162.1	5468.43
	10.37	8.83	8.2	78.06	78.38	78.91	67.62	68.11	68.68	14.71	15.21	14.78	5472.08	5768.28	6104.74



Lampiran 2. Hasil Iterasi Parameter  $\tau$ 

Iterasi	$\tau$	$R^2$	Iterasi	$\tau$	$R^2$	Iterasi	$\tau$	$R^2$
1	0.004	0.92455	41	0.164	0.99795	81	0.324	0.99843
2	0.008	0.93626	42	0.168	0.99801	82	0.328	0.99843
3	0.012	0.94574	43	0.172	0.99806	83	0.332	0.99843
4	0.016	0.95318	44	0.176	0.99811	84	0.336	0.99844
5	0.02	0.95964	45	0.18	0.99815	85	0.34	0.99844
6	0.024	0.96496	46	0.184	0.99819	86	0.344	0.99844
7	0.028	0.96937	47	0.188	0.99822	87	0.348	0.99844
8	0.032	0.9723	48	0.192	0.99824	88	0.352	0.99844
9	0.036	0.97543	49	0.196	0.99827	89	0.356	0.99844
10	0.04	0.9781	50	0.2	0.99829	90	0.36	0.99844
11	0.044	0.98043	51	0.204	0.99831	91	0.364	0.99844
12	0.048	0.98242	52	0.208	0.99832	92	0.368	0.99844
13	0.052	0.98416	53	0.212	0.99834	93	0.372	0.99844
14	0.056	0.9857	54	0.216	0.99835	94	0.376	0.99844
15	0.06	0.9869	55	0.22	0.99836	95	0.38	0.99844
16	0.064	0.98813	56	0.224	0.99837	96	0.384	0.99844
17	0.068	0.98923	57	0.228	0.99838	97	0.388	0.99844
18	0.072	0.99021	58	0.232	0.99838	98	0.392	0.99844
19	0.076	0.9911	59	0.236	0.99839	99	0.396	0.99844
20	0.08	0.99189	60	0.24	0.9984	100	0.4	0.99844
21	0.084	0.9926	61	0.244	0.9984			
22	0.088	0.99324	62	0.248	0.99841			
23	0.092	0.99382	63	0.252	0.99841			
24	0.096	0.99429	64	0.256	0.99841			
25	0.1	0.99476	65	0.26	0.99842			
26	0.104	0.99518	66	0.264	0.99842			
27	0.108	0.99555	67	0.268	0.99842			
28	0.112	0.99588	68	0.272	0.99842			
29	0.116	0.99618	69	0.276	0.99842			
30	0.12	0.99644	70	0.28	0.99843			
31	0.124	0.99668	71	0.284	0.99843			
32	0.128	0.99689	72	0.288	0.99843			
33	0.132	0.99707	73	0.292	0.99843			
34	0.136	0.99723	74	0.296	0.99843			
35	0.14	0.99738	75	0.3	0.99843			
36	0.144	0.9975	76	0.304	0.99843			
37	0.148	0.99762	77	0.308	0.99843			
		0.99772	78	0.312	0.99843			
		0.9978	79	0.316	0.99843			
		0.99788	80	0.32	0.99843			



Lampiran 3. Hasil Iterasi Parameter  $\mu$  dan  $\lambda$ 

Iterasi	$\mu$	$\lambda$	$R^2$	Iterasi	$\mu$	$\lambda$	$R^2$
1	0.007	0.020833	0.6896	41	0.287	0.854153	0.9979
2	0.014	0.041666	0.7425	42	0.294	0.874986	0.998
3	0.021	0.062499	0.785	43	0.301	0.895819	0.9981
4	0.028	0.083332	0.8216	44	0.308	0.916652	0.9981
5	0.035	0.104165	0.8527	45	0.315	0.937485	0.9982
6	0.042	0.124998	0.8784	46	0.322	0.958318	0.9983
7	0.049	0.145831	0.8998	47	0.329	0.979151	0.9984
8	0.056	0.166664	0.9176	48	0.336	0.999984	0.9984
9	0.063	0.187497	0.9325	49	0.343	1.020817	0.9985
10	0.07	0.20833	0.9447	50	0.35	1.04165	0.9986
11	0.077	0.229163	0.9545	51	0.357	1.062483	0.9986
12	0.084	0.249996	0.9623	52	0.364	1.083316	0.9987
13	0.091	0.270829	0.9684	53	0.371	1.104149	0.9987
14	0.098	0.291662	0.9732	54	0.378	1.124982	0.9987
15	0.105	0.312495	0.9769	55	0.385	1.145815	0.9988
16	0.112	0.333328	0.98	56	0.392	1.166648	0.9988
17	0.119	0.354161	0.9824	57	0.399	1.187481	0.9989
18	0.126	0.374994	0.9844	58	0.406	1.208314	0.9989
19	0.133	0.395827	0.9862	59	0.413	1.229147	0.999
20	0.14	0.41666	0.9877	60	0.42	1.24998	0.999
21	0.147	0.437493	0.9889	61	0.427	1.270813	0.999
22	0.154	0.458326	0.99	62	0.434	1.291646	0.9991
23	0.161	0.479159	0.991	63	0.441	1.312479	0.9991
24	0.168	0.499992	0.9918	64	0.448	1.333312	0.9991
25	0.175	0.520825	0.9926	65	0.455	1.354145	0.9992
26	0.182	0.541658	0.9933	66	0.462	1.374978	0.9992
27	0.189	0.562491	0.9939	67	0.469	1.395811	0.9988
28	0.196	0.583324	0.9944	68	0.476	1.416644	0.9989
29	0.203	0.604157	0.9949	69	0.483	1.437477	0.9989
30	0.21	0.62499	0.9953	70	0.49	1.45831	0.9989
31	0.217	0.645823	0.9957	71	0.497	1.479143	0.999
32	0.224	0.666656	0.996	72	0.504	1.499976	0.999
33	0.231	0.687489	0.9963	73	0.511	1.520809	0.999
34	0.238	0.708322	0.9966	74	0.518	1.541642	0.9991
35	0.245	0.729155	0.9968	75	0.525	1.562475	0.9991
36	0.252	0.749988	0.9971	76	0.532	1.583308	0.9991
37	0.259	0.770821	0.9973	77	0.539	1.604141	0.9992
		0.791654	0.9975	78	0.546	1.624974	0.9992
		0.812487	0.9976	79	0.553	1.645807	0.9992
		0.83332	0.9978	80	0.56	1.66664	0.9992



**Lampiran 3.** Hasil Iterasi Parameter  $\mu$  dan  $\lambda$ 

Iterasi	$\mu$	$\lambda$	$R^2$
81	0.567	1.687473	0.9988
82	0.574	1.708306	0.9989
83	0.581	1.729139	0.9989
84	0.588	1.749972	0.9989
85	0.595	1.770805	0.999
86	0.602	1.791638	0.999
87	0.609	1.812471	0.999
88	0.616	1.833304	0.9991
89	0.623	1.854137	0.9991
90	0.63	1.87497	0.9991
91	0.637	1.895803	0.9992
92	0.644	1.916636	0.9992
93	0.651	1.937469	0.9992
94	0.658	1.958302	0.9992
95	0.665	1.979135	0.9993
96	0.672	1.999968	0.9993
97	0.679	2.020801	0.9993
98	0.686	2.041634	0.9994
99	0.693	2.062467	0.9994
100	0.7	2.0833	0.9994





Lampiran 4. Matriks Pembobot Spasio-temporal

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	...	70	71	72
1	1	0.026	0.005	0.001	6E-07	3E-08	5E-05	7E-09	1E-10	2E-15	6E-11	2E-14	7E-18	4E-22	...	1E-14	1E-26	1E-45
2	0.026	1	0.62	0.14	0.004	0.002	0.163	0.002	2E-04	2E-07	5E-05	7E-07	3E-09	4E-12	...	2E-09	6E-17	2E-32
3	0.005	0.62	1	0.558	0.065	0.026	0.088	0.016	0.002	2E-06	2E-05	2E-06	4E-09	2E-11	...	4E-08	5E-16	1E-32
4	0.001	0.14	0.558	1	0.228	0.053	0.006	0.013	0.001	3E-07	3E-07	8E-08	6E-11	5E-13	...	8E-08	3E-17	7E-36
5	6E-07	0.004	0.065	0.228	1	0.622	0.001	0.177	0.038	5E-05	6E-07	4E-06	4E-09	3E-10	...	2E-06	3E-14	3E-32
6	3E-08	0.002	0.026	0.053	0.622	1	0.003	0.635	0.278	0.002	2E-05	2E-04	7E-07	1E-07	...	3E-06	7E-12	6E-28
7	5E-05	0.163	0.088	0.006	0.001	0.003	1	0.015	0.007	3E-04	0.041	0.002	5E-05	3E-07	...	6E-09	2E-12	3E-24
8	7E-09	0.002	0.016	0.013	0.177	0.635	0.015	1	0.76	0.033	8E-04	0.007	7E-05	1E-05	...	2E-06	4E-10	4E-24
9	1E-10	2E-04	0.002	0.001	0.038	0.278	0.007	0.76	1	0.171	0.002	0.04	9E-04	3E-04	...	1E-06	7E-09	2E-21
10	2E-15	2E-07	2E-06	3E-07	5E-05	0.002	3E-04	0.033	0.171	1	0.01	0.471	0.089	0.093	...	2E-08	9E-07	1E-15
11	6E-11	5E-05	2E-05	3E-07	6E-07	2E-05	0.041	8E-04	0.002	0.01	1	0.155	0.087	0.002	...	7E-11	4E-09	1E-15
12	2E-14	7E-07	2E-06	8E-08	4E-06	2E-04	0.002	0.007	0.04	0.471	0.155	1	0.472	0.151	...	2E-09	6E-07	5E-14
13	7E-18	3E-09	4E-09	6E-11	4E-09	7E-07	5E-05	7E-05	9E-04	0.089	0.087	0.472	1	0.398	...	6E-12	8E-07	3E-11
14	4E-22	4E-12	2E-11	5E-13	3E-10	1E-07	3E-07	1E-05	3E-04	0.093	0.002	0.151	0.398	1	...	2E-12	3E-06	2E-10
15	4E-25	2E-14	2E-13	7E-15	2E-11	1E-08	4E-09	1E-06	4E-05	0.032	1E-04	0.032	0.112	0.758	...	2E-13	2E-06	5E-10
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
70	1E-14	2E-09	4E-08	8E-08	2E-06	3E-06	6E-09	2E-06	1E-06	2E-08	7E-11	2E-09	6E-12	2E-12	...	1	7E-06	1E-21
71	1E-26	6E-17	5E-16	3E-17	3E-14	7E-12	2E-12	4E-10	7E-09	9E-07	4E-09	6E-07	8E-07	3E-06	...	7E-06	1	3E-06
72	1E-45	2E-32	1E-32	7E-36	3E-32	6E-28	3E-24	4E-24	2E-21	1E-15	1E-15	5E-14	3E-11	2E-10	...	1E-21	3E-06	1



## Lampiran 5. Pemilihan Titik Knot Optimum (1 Titik Knot)

Iterasi	GCV	$R^2$	$K_1$	$K_2$	$K_3$	$K_4$
1	2.343835	71.65729	64.6449	50.05714	9.427959	6263.31
2	2.482212	70.88562	65.0298	50.47429	10.92592	8906.42
3	2.473212	70.99004	65.41469	50.89143	12.42388	11549.53
4	2.479376	70.91596	65.79959	51.30857	13.92184	14192.64
5	2.532616	71.19922	66.18449	51.72571	15.4198	16835.75
6	2.47574	71.84622	66.56939	52.14286	16.91776	19478.86
7	2.371271	73.02983	66.95429	52.56	18.41571	22121.97
8	2.285517	73.9943	67.33918	52.97714	19.91367	24765.08
9	2.225466	74.66633	67.72408	53.39429	21.41163	27408.19
10	2.208514	74.84263	68.10898	53.81143	22.90959	30051.3
11	2.220666	74.68082	68.49388	54.22857	24.40755	32694.41
12	2.248676	74.33205	68.87878	54.64571	25.90551	35337.52
13	2.299675	73.72424	69.26367	55.06286	27.40347	37980.63
14	2.344554	73.19201	69.64857	55.48	28.90143	40623.74
15	2.374437	72.8329	70.03347	55.89714	30.39939	43266.85
16	2.387007	72.67855	70.41837	56.31429	31.89735	45909.96
17	2.394819	72.58244	70.80327	56.73143	33.39531	48553.07
18	2.37347	72.8268	71.18816	57.14857	34.89327	51196.18
19	2.29249	73.77549	71.57306	57.56571	36.39122	53839.29
20	2.189309	74.98781	71.95796	57.98286	37.88918	56482.4
21	2.110287	75.91467	72.34286	58.4	39.38714	59125.51
22	2.041187	76.72062	72.72776	58.81714	40.8851	61768.62
23	1.975149	77.49008	73.11265	59.23429	42.38306	64411.73
24	1.930409	78.01724	73.49755	59.65143	43.88102	67054.84
25	1.905337	78.31837	73.88245	60.06857	45.37898	69697.96
26	1.891669	78.48607	74.26735	60.48571	46.87694	72341.07
27	1.888808	78.52564	74.65224	60.90286	48.3749	74984.18
28	1.886162	78.56085	75.03714	61.32	49.87286	77627.29
29	1.874079	78.70033	75.42204	61.73714	51.37082	80270.4
30	1.853424	78.93554	75.80694	62.15429	52.86878	82913.51
31	1.830293	79.19695	76.19184	62.57143	54.36673	85556.62
32	1.832792	79.16002	76.57673	62.98857	55.86469	88199.73
33	1.862721	78.7983	76.96163	63.40571	57.36265	90842.84
34	1.945154	77.80505	77.34653	63.82286	58.86061	93485.95
⋮	⋮	⋮	⋮	⋮	⋮	⋮
43	2.552523	69.13669	80.81061	67.57714	72.34224	117273.9
44	2.472848	70.13994	81.19551	67.99429	73.8402	119917
		69.74674	81.58041	68.41143	75.33816	122560.2
		68.45947	81.96531	68.82857	76.83612	125203.3
		62.12645	82.3502	69.24571	78.33408	127846.4
		62.12416	82.7351	69.66286	79.83204	130489.5



## Lampiran 6. Pemilihan Titik Knot Optimum (2 Titik Knot)

Iterasi	GCV	$R^2$	$K_{11}$	$K_{21}$	$K_{12}$	$K_{22}$	$K_{13}$	$K_{23}$	$K_{14}$	$K_{24}$
1	2.3446	71.648	64.26	64.645	49.64	50.057	7.93	9.428	3620.2	6263.3
2	2.4837	70.869	64.26	65.03	49.64	50.474	7.93	10.926	3620.2	8906.4
3	2.4756	70.964	64.26	65.415	49.64	50.891	7.93	12.424	3620.2	11550
4	2.4818	70.891	64.26	65.8	49.64	51.309	7.93	13.922	3620.2	14193
5	2.5388	71.131	64.26	66.184	49.64	51.726	7.93	15.42	3620.2	16836
6	2.4838	71.757	64.26	66.569	49.64	52.143	7.93	16.918	3620.2	19479
7	2.4451	73.059	64.26	66.954	49.64	52.56	7.93	18.416	3620.2	22122
8	2.3485	74.124	64.26	67.339	49.64	52.977	7.93	19.914	3620.2	24765
9	2.2755	74.928	64.26	67.724	49.64	53.394	7.93	21.412	3620.2	27408
10	2.2386	75.335	64.26	68.109	49.64	53.811	7.93	22.91	3620.2	30051
11	2.2209	75.529	64.26	68.494	49.64	54.229	7.93	24.408	3620.2	32694
12	2.2102	75.648	64.26	68.879	49.64	54.646	7.93	25.906	3620.2	35338
13	2.2354	75.369	64.26	69.264	49.64	55.063	7.93	27.403	3620.2	37981
14	2.2731	74.955	64.26	69.649	49.64	55.48	7.93	28.901	3620.2	40624
15	2.3013	74.644	64.26	70.033	49.64	55.897	7.93	30.399	3620.2	43267
16	2.3213	74.423	64.26	70.418	49.64	56.314	7.93	31.897	3620.2	45910
17	2.3386	74.232	64.26	70.803	49.64	56.731	7.93	33.395	3620.2	48553
18	2.3323	74.302	64.26	71.188	49.64	57.149	7.93	34.893	3620.2	51196
19	2.2822	74.854	64.26	71.573	49.64	57.566	7.93	36.391	3620.2	53839
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
892	1.7585	81.83	73.113	80.041	59.234	66.743	42.383	69.346	64412	111988
893	1.7018	82.42	73.113	80.426	59.234	67.16	42.383	70.844	64412	114631
894	1.6521	82.935	73.113	80.811	59.234	67.577	42.383	72.342	64412	117274
895	1.6641	82.806	73.113	81.196	59.234	67.994	42.383	73.84	64412	119917
896	1.7485	81.921	73.113	81.58	59.234	68.411	42.383	75.338	64412	122560
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
1212	2.5559	70.073	81.196	81.965	67.994	68.829	73.84	76.836	119917	125203
1213	2.5556	70.075	81.196	82.35	67.994	69.246	73.84	78.334	119917	127846
1214	2.549	70.158	81.196	82.735	67.994	69.663	73.84	79.832	119917	130489
1215	2.4728	70.14	81.196	83.12	67.994	70.08	73.84	81.33	119917	133133
1216	2.5905	69.659	81.58	81.965	68.411	68.829	75.338	76.836	122560	125203
1217	2.5904	69.661	81.58	82.35	68.411	69.246	75.338	78.334	122560	127846
1218	2.5757	69.844	81.58	82.735	68.411	69.663	75.338	79.832	122560	130489
1219	2.5055	69.747	81.58	83.12	68.411	70.08	75.338	81.33	122560	133133
1220	2.6628	68.772	81.965	82.35	68.829	69.246	76.836	78.334	125203	127846
1221	2.6484	68.953	81.965	82.735	68.829	69.663	76.836	79.832	125203	130489
1222	2.6089	68.459	81.965	83.12	68.829	70.08	76.836	81.33	125203	133133
		2.127	82.35	82.735	69.246	69.663	78.334	79.832	127846	130489
		2.126	82.35	83.12	69.246	70.08	78.334	81.33	127846	133133
		2.124	82.735	83.12	69.663	70.08	79.832	81.33	130489	133133



Lampiran 7. Pemilihan Titik Knot Optimum (3 Titik Knot)

Iterasi	GCV	R <sup>2</sup>	K <sub>11</sub>	K <sub>21</sub>	K <sub>31</sub>	K <sub>12</sub>	K <sub>22</sub>	K <sub>32</sub>	K <sub>13</sub>	K <sub>23</sub>	K <sub>33</sub>	K <sub>14</sub>	K <sub>24</sub>	K <sub>34</sub>
1	2.446	73.052	64.645	65.03	65.415	50.057	50.474	50.891	9.428	10.926	12.424	6263.3	8906.4	11550
2	2.4868	72.602	64.645	65.03	65.8	50.057	50.474	51.309	9.428	10.926	13.922	6263.3	8906.4	14193
3	2.4983	72.474	64.645	65.03	66.184	50.057	50.474	51.726	9.428	10.926	15.42	6263.3	8906.4	16836
4	2.4387	73.128	64.645	65.03	66.569	50.057	50.474	52.143	9.428	10.926	16.918	6263.3	8906.4	19479
5	2.4017	74.363	64.645	65.03	66.954	50.057	50.474	52.56	9.428	10.926	18.416	6263.3	8906.4	22122
6	2.313	75.308	64.645	65.03	67.339	50.057	50.474	52.977	9.428	10.926	19.914	6263.3	8906.4	24765
7	2.1933	77.347	64.645	65.03	67.724	50.057	50.474	53.394	9.428	10.926	21.412	6263.3	8906.4	27408
8	2.2614	76.642	64.645	65.03	68.109	50.057	50.474	53.811	9.428	10.926	22.91	6263.3	8906.4	30051
9	2.2885	76.359	64.645	65.03	68.494	50.057	50.474	54.229	9.428	10.926	24.408	6263.3	8906.4	32694
10	2.1907	78.108	64.645	65.03	68.879	50.057	50.474	54.646	9.428	10.926	25.906	6263.3	8906.4	35338
11	2.256	77.455	64.645	65.03	69.264	50.057	50.474	55.063	9.428	10.926	27.403	6263.3	8906.4	37981
12	2.3289	76.727	64.645	65.03	69.649	50.057	50.474	55.48	9.428	10.926	28.901	6263.3	8906.4	40624
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
3246	1.3821	87.081	65.8	67.339	72.728	51.309	52.977	58.817	13.922	19.914	40.885	14193	24765	61769
3247	1.3822	87.081	65.8	67.339	73.113	51.309	52.977	59.234	13.922	19.914	42.383	14193	24765	64412
3248	1.3683	87.212	65.8	67.339	73.498	51.309	52.977	59.651	13.922	19.914	43.881	14193	24765	67055
3249	1.3692	87.204	65.8	67.339	73.882	51.309	52.977	60.069	13.922	19.914	45.379	14193	24765	69698
3250	1.3748	87.151	65.8	67.339	74.267	51.309	52.977	60.486	13.922	19.914	46.877	14193	24765	72341
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
17289	2.6092	70.407	81.196	81.58	82.735	67.994	68.411	69.663	73.84	75.338	79.832	119917	122560	130489
17290	2.6221	70.248	81.196	81.965	82.35	67.994	68.829	69.246	73.84	76.836	78.334	119917	125203	127846
17291	2.6128	70.359	81.196	81.965	82.735	67.994	68.829	69.663	73.84	76.836	79.832	119917	125203	130489
		70.045	81.196	82.35	82.735	67.994	69.246	69.663	73.84	78.334	79.832	119917	127846	130489
		69.498	81.58	81.965	82.35	68.411	68.829	69.246	75.338	76.836	78.334	122560	125203	127846
		69.619	81.58	81.965	82.735	68.411	68.829	69.663	75.338	76.836	79.832	122560	125203	130489
		69.604	81.58	82.35	82.735	68.411	69.246	69.663	75.338	78.334	79.832	122560	127846	130489
		68.677	81.965	82.35	82.735	68.829	69.246	69.663	76.836	78.334	79.832	125203	127846	130489



Lampiran 8. Hasil Estimasi Parameter

Tahun	Kab/Kota	$\beta_0$	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	$\beta_{1,2}$	$\beta_{2,1}$	$\beta_{3,1}$	$\beta_{3,2}$	$\beta_{3,3}$	$\beta_{4,1}$
2020	Kepulauan Selayar	0.000605	0.175216	-0.2385	-0.07451	0.001121	-8.8E-07	-1.3E-07	0.174599	-0.08293	0.034893	0.19747
2020	Bulukumba	-0.00097	-0.00642	0.100232	-0.16399	0.00046	-0.00096	0.000185	-0.40677	-0.15052	0.195031	0.279077
2020	Bantaeng	-0.00075	0.023502	0.009676	-0.03436	0.000491	-0.00198	0.000379	-0.31572	-0.02388	-0.05658	0.177022
2020	Jeneponto	-0.00308	0.012267	0.04496	-0.0923	0.000486	-0.01314	0.002526	-0.45173	-0.04944	0.063507	0.074726
2020	Takalar	-0.00419	-0.02177	0.112512	-0.11717	0.000353	-0.01072	0.002061	0.120495	-0.0588	0.054972	0.242926
2020	Gowa	-0.00431	-0.08553	0.180243	-0.101	0.000362	0.008078	-0.00155	0.079867	-0.04092	-0.00607	0.304091
2020	Sinjai	-0.01511	0.220058	-0.02749	-0.57473	0.00024	-0.00303	0.000814	0.195631	-0.3629	1.045218	-0.21727
2020	Maros	-0.00522	-0.01665	0.144799	-0.20087	0.000289	-0.00179	0.000679	0.123699	-0.12596	0.226044	0.22995
2020	Pangkep	-0.00841	-0.00407	0.164136	-0.28151	7.6E-05	0.031235	0.002787	0.056893	-0.10717	0.428345	0.010112
2020	Barru	0.001731	0.060123	0.063184	-0.098	-5.4E-05	-0.07521	-0.00011	-0.18397	-0.21766	0.389166	-0.10915
2020	Bone	-0.0044	-0.02188	0.156607	-0.27768	0.000433	-0.16637	-3.9E-06	-0.26652	-0.42471	0.676218	-0.08842
2020	Soppeng	-7.7E-05	0.1059	0.009748	-0.10577	-8.7E-06	-0.16406	3.16E-05	-0.09066	-0.31085	0.482492	-0.11081
2020	Wajo	0.004253	-0.03048	0.152611	-0.11919	0.000124	0.104149	4.55E-08	-0.40277	-0.04709	0.045354	0.125408
2020	Sidrap	0.020437	-0.1047	0.223135	-0.05217	0.000113	0.309898	4.48E-08	-0.58531	0.056139	-0.20549	0.253576
2020	Pinrang	0.0168	-0.08826	0.209017	-0.06602	0.000101	0.262656	7.76E-09	-0.56705	0.035251	-0.15377	0.319326
2020	Enrekang	0.004032	-0.07824	0.039567	0.620413	0.000156	1.060663	-2.9E-08	-0.07997	-1.20282	0.597456	0.414146
2020	Luwu	0.024852	-0.10347	0.207239	0.121165	3.86E-05	1.066559	1.9E-13	-0.48886	-0.58601	0.460814	0.636776
2020	Tana Toraja	0.105804	-0.16937	0.254317	0.470484	-6.2E-05	0.747408	3.78E-15	-0.61231	-1.20936	0.649193	1.557922
2020	Luwu Utara	-0.01416	0.213845	-0.10383	-0.35841	0.000201	0.643386	1.05E-16	0.348391	-0.16127	0.563363	0.247055
2020	Luwu Timur	0.00522	0.522285	-0.42434	0.009417	-0.00044	0.09955	1.53E-31	-0.02437	-0.06325	-0.10744	-0.00511
2020	Toraja Utara	0.141336	-0.14927	0.42711	0.209098	-0.00036	-0.2718	5.45E-15	-1.07433	-1.73947	1.37164	2.561373
2020	Wakasar	-0.00429	-0.08632	0.184325	-0.11055	0.000387	0.018347	-0.00352	0.104493	-0.05078	-0.00894	0.342812
2020	Wajene	0.030815	-0.13731	0.251679	-0.00619	0.000101	0.410432	4.62E-07	-0.65528	0.077255	-0.29665	0.294004
2020	Wajo	0.140964	-0.13175	0.441905	0.151391	-0.00044	-0.43784	-7.5E-16	-1.10849	-1.82409	1.521586	2.653875



## Lampiran 8. Hasil Estimasi Parameter

Tahun	Kab/Kota	$\beta_0$	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	$\beta_{1,2}$	$\beta_{2,1}$	$\beta_{3,1}$	$\beta_{3,2}$	$\beta_{3,3}$	$\beta_{4,1}$
2021	Kepulauan Selayar	0.159	0.311524	-1.62972	3.422372	0.000223	-1.1E-06	1.72E-07	2.742496	1.208802	-4.49897	-1.87781
2021	Bulukumba	0.00469	-0.0758	0.087655	0.190513	0.000134	-0.00025	3.95E-05	-0.50021	0.125217	-0.4297	0.118598
2021	Bantaeng	0.007436	0.016767	-0.04163	0.157109	0.000326	0.007266	-0.00116	-0.18995	0.053587	-0.29206	0.034917
2021	Jenepono	0.005317	0.02861	-0.03866	0.105237	0.000331	0.015185	-0.00236	-0.18311	0.031213	-0.20051	-0.00629
2021	Takalar	-0.00086	0.031536	0.012014	-0.03648	0.000295	-0.00513	0.000872	0.184803	-0.0245	0.036222	-0.08182
2021	Gowa	-0.00087	0.020225	0.027132	-0.03822	0.000289	0.003547	-0.00053	0.206752	-0.02612	0.030455	-0.05749
2021	Sinjai	-0.00202	0.255889	-0.21526	-0.22478	0.000356	-0.00076	0.000242	0.426089	-0.19565	0.468002	-0.20729
2021	Maros	-0.00546	0.136322	-0.01561	-0.2555	0.000253	-0.02836	0.004868	0.220701	-0.17391	0.410725	-0.08671
2021	Pangkep	-0.00724	0.102958	0.050151	-0.32395	0.000192	0.057506	0.004063	0.02468	-0.12395	0.460385	-0.14545
2021	Barro	-0.00025	0.045368	0.082954	-0.00351	-0.00034	0.019174	-0.00126	-0.36365	0.013934	0.137917	-0.11767
2021	Bone	0.02493	0.615033	-0.59963	0.234766	-0.00054	-0.69155	2.21E-05	0.941532	-0.92458	1.083927	-0.45524
2021	Soppeng	0.000151	0.011628	0.117667	-0.01757	-0.00027	0.075224	-9.4E-05	-0.45184	0.069241	0.035909	-0.04717
2021	Wajo	0.016468	-0.15494	0.279425	0.011047	-9.4E-05	0.474166	1.33E-07	-0.83918	0.345265	-0.56555	0.3479
2021	Sidrap	0.022531	-0.18087	0.304158	0.032237	-9.1E-05	0.544545	5.84E-08	-0.91327	0.375564	-0.65691	0.42018
2021	Pinrang	0.024015	-0.17406	0.298211	0.03419	-0.0001	0.523386	1.58E-08	-0.90721	0.334882	-0.60014	0.510516
2021	Enrekang	0.012993	-0.06863	0.05668	0.452582	7.05E-05	0.92942	-2.9E-08	-0.21921	-0.73401	0.272723	0.633778
2021	Luwu	0.107875	0.038898	-0.20946	1.055716	0.000196	0.508664	-4.1E-13	0.509558	-2.14925	1.305634	-0.91237
2021	Tana Toraja	0.047226	-0.03096	0.012587	0.761734	-4.9E-05	0.365707	-1.2E-14	-0.08441	-1.88443	1.21289	0.298709
2021	Luwu Utara	-0.01159	0.153238	-0.03744	-0.29823	0.000122	0.612602	-8.9E-23	0.031302	-0.13688	0.484184	0.048894
2021	Luwu Timur	0.014066	0.573303	-0.45325	0.108657	-0.00066	-0.51525	1.15E-20	-0.06558	-0.08717	-0.21561	-0.00687
2021	Luwu Barat	0.046036	0.016411	0.378841	-0.39595	-0.00092	-0.01464	-1.8E-15	-1.01711	-0.99577	1.439354	2.114742
2021	Wakasar	-0.00145	-0.0524	0.103605	-0.02732	0.000303	-0.00298	0.000478	0.09568	-0.00708	-0.00207	-0.0539
2021	Wajene	0.024394	-0.18812	0.310109	0.043776	-9.2E-05	0.567653	5.84E-08	-0.92556	0.376348	-0.6747	0.440328
2021	Wopora	-0.00767	0.192011	0.302531	-0.88183	-0.00105	-0.37976	-8E-16	-0.79059	-0.76686	1.775245	1.809367



Lampiran 8. Hasil Estimasi Parameter

Tahun	Kab/Kota	$\beta_0$	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	$\beta_{1,2}$	$\beta_{2,1}$	$\beta_{3,1}$	$\beta_{3,2}$	$\beta_{3,3}$	$\beta_{4,1}$
2022	Kepulauan Selayar	0.212767	-0.76612	-0.18535	3.621847	0.000103	1.71E-08	2.11E-08	-0.85456	0.659745	-4.8902	0.49389
2022	Bulukumba	0.048804	-0.01916	-0.29201	0.92688	0.00031	0.000488	-6.5E-05	0.186613	0.247436	-1.3125	0.083131
2022	Bantaeng	0.091967	-0.06061	-0.41391	1.341812	0.000672	0.038071	-0.00504	0.382042	0.061464	-1.56453	0.058485
2022	Jeneponto	0.002519	0.031377	-0.04923	0.0701	0.000252	0.001605	-0.00021	-0.32355	0.035027	-0.11203	-0.07899
2022	Takalar	0.000313	0.020968	-0.00757	-0.00626	0.000249	-0.00177	0.000234	0.148554	-0.01061	0.035913	-0.15269
2022	Gowa	-0.00033	-0.03576	0.053543	0.001592	0.000267	-0.00493	0.000653	0.061802	0.0062	0.000229	-0.13677
2022	Sinjai	0.027267	0.423301	-0.55196	0.001856	0.000387	-0.00071	0.000227	1.465196	-0.37665	0.529934	-0.36424
2022	Maros	-5E-05	-0.00833	0.035295	-0.01111	0.000303	-0.00266	0.000346	0.026138	-0.01048	-0.02337	-0.06926
2022	Pangkep	-0.008	0.060332	0.079618	-0.34097	0.0002	0.042843	0.003782	-0.05588	-0.15159	0.537624	-0.20577
2022	Barru	0.002835	0.070651	0.047583	-0.0631	-0.00029	-0.14141	0.00022	-0.0813	-0.25853	0.554418	-0.25273
2022	Bone	0.017344	0.577062	-0.5465	0.19418	-0.00075	-0.68166	9.96E-06	0.934376	-0.79233	1.084218	-0.47577
2022	Soppeng	-0.00232	0.030282	0.093311	-0.08827	-0.00023	-0.08257	-1.8E-06	-0.18906	-0.14539	0.405591	-0.18352
2022	Wajo	0.037473	-0.37683	0.502565	0.00098	6.75E-05	0.794972	-1.9E-08	-1.06234	0.457774	-0.78039	0.436397
2022	Sidrap	0.056324	-0.4293	0.547297	0.06218	7.7E-05	0.960313	2.42E-09	-1.1823	0.493061	-0.93815	0.537776
2022	Pinrang	0.044927	-0.3517	0.471308	0.034688	1.44E-05	0.820399	-8.3E-09	-1.11195	0.416504	-0.76377	0.58199
2022	Enrekang	0.010504	-0.16776	0.124649	0.660964	-3.3E-05	1.196419	-1.2E-08	-0.48603	-0.94682	0.302873	0.505646
2022	Luwu	0.000716	0.161232	-0.09712	-0.28506	0.000121	0.840711	-5.1E-13	0.156635	-0.19262	0.717407	-0.98814
2022	Tana Toraja	0.105038	-0.43913	0.344685	1.141475	-0.00017	1.733286	1.16E-14	-0.9657	-0.99335	-0.26579	1.351436
2022	Luwu Utara	-0.00921	0.136189	-0.03575	-0.26276	9.73E-05	0.549371	-2.1E-18	0.029904	-0.13451	0.425976	0.019109
2022	Luwu Timur	0.012664	0.264386	-0.08345	0.063584	-0.00059	-0.7027	-1.5E-34	-0.03969	-0.11272	-0.218	-0.00459
2022	Toraja Utara	0.087163	-0.33696	0.542233	0.359773	-0.00082	1.139111	2.34E-15	-1.43011	-0.84897	0.415026	2.013592
	akassar	-0.00065	-0.0387	0.0597	-0.00723	0.000283	-0.00624	0.000825	0.064477	0.001806	-0.00048	-0.11449
	repare	0.066375	-0.46016	0.576952	0.097825	6.83E-05	1.028835	-4.2E-07	-1.24023	0.497578	-0.99492	0.577801
	lopo	-0.00538	-0.06535	0.382193	-0.36981	-0.00091	0.754873	-3.6E-16	-0.97774	-0.28709	0.706609	1.56105



Lampiran 9. Nilai  $t_{hitung}$  Setiap Observasi

Tahun	Kab/Kota	$\beta_0$	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	$\beta_{1,2}$	$\beta_{2,1}$	$\beta_{3,1}$	$\beta_{3,2}$	$\beta_{3,3}$	$\beta_{4,1}$
2020	Kepulauan Selayar	0.02178	0.01301	0.008597	0.008067	25.09818	104.701	595.2893	0.000531	0.006015	0.005615	0.000578
2020	Bulukumba	0.737099	0.010179	0.071357	0.04981	157.3753	20.36485	105.8587	0.065038	0.08651	0.015143	0.126867
2020	Bantaeng	0.346802	0.236864	0.020334	0.024567	634.7062	1.3627	7.088102	0.219604	0.078053	0.014906	0.361854
2020	Jeneponto	0.908224	0.167411	0.060309	0.037177	515.3519	0.488483	2.541621	0.135987	0.083385	0.008109	0.050113
2020	Takalar	88.44485	0.327235	1.547613	2.32315	4883.584	24.02014	124.9734	0.310017	2.236458	0.513782	2.2651
2020	Gowa	336.8043	6.567236	9.153897	13.52577	5780.498	90.46908	470.8754	6.096578	12.80951	4.146521	3.827923
2020	Sinjai	1.801664	0.357334	0.024236	0.081891	212.7538	15.558	59.29986	0.034643	0.160386	0.048161	0.415706
2020	Maros	66.29761	0.443408	10.08228	1.169466	2177.441	0.448345	3.850758	5.627556	1.496808	0.334389	1.729862
2020	Pangkep	23.53656	0.252635	3.151497	0.865623	378.2217	9.262663	31.0842	2.914702	2.888629	0.448102	0.05069
2020	Barru	0.288617	0.039423	0.028774	0.117484	18.25267	0.085965	0.538433	0.028561	0.101332	0.185958	0.205055
2020	Bone	6.458281	0.033687	0.276097	0.14083	175.8888	0.041084	31471.32	0.18437	0.147003	0.194057	0.063777
2020	Soppeng	0.120618	0.091938	0.006201	0.269882	4.654984	0.135846	68.64174	0.018361	0.191	0.228903	0.244007
2020	Wajo	0.751159	0.079079	0.345738	0.538337	358.0675	0.057658	38947.68	0.172622	0.044568	0.012406	0.200177
2020	Sidrap	2.150176	0.345944	0.706939	0.192377	540.566	0.172327	26903.91	0.311206	0.079691	0.065348	0.376806
2020	Pinrang	0.971926	0.127004	0.278575	0.126634	211.1419	0.071493	505.4025	0.135773	0.0203	0.021462	0.071145
2020	Enrekang	0.092825	0.074703	0.03389	0.295582	290.1276	0.159017	2.625784	0.013286	0.267646	0.076457	0.014465
2020	Luwu	0.280078	0.037792	0.114619	0.005427	14.03857	0.071306	2.72E+10	0.050278	0.05063	0.050389	0.013414
2020	Tana Toraja	0.840579	0.27246	0.366952	0.044197	18.45363	0.050456	1.15E+13	0.128496	0.115398	0.07209	0.054973
2020	Luwu Utara	29.32428	0.193984	0.039116	1.637329	73.67861	1.168532	8.3E+24	0.023258	1.972207	0.915157	0.044244
2020	Luwu Timur	5.213802	0.051784	0.027832	0.01377	14.42354	0.2608	4.42E+30	0.186495	0.115965	0.232223	3.83254
	Tara	0.634426	0.078356	0.274387	0.013961	19.88582	0.007135	4.58E+15	0.096282	0.107104	0.076452	0.065188
	kassar	362.3663	6.458701	10.19142	12.41798	4573.988	53.94737	280.9799	6.773046	11.02839	4.003581	3.442711
	epare	2.423994	0.520056	1.018995	0.020251	626.172	0.188473	149454.3	0.466181	0.119658	0.092504	0.376862
	opo	0.297074	0.028017	0.191218	0.004746	21.75742	0.012068	2.83E+16	0.068231	0.086563	0.112974	0.050717





Lampiran 9. Nilai  $t_{hitung}$  Setiap Observasi

Tahun	Kab/Kota	$\beta_0$	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	$\beta_{1,2}$	$\beta_{2,1}$	$\beta_{3,1}$	$\beta_{3,2}$	$\beta_{3,3}$	$\beta_{4,1}$
2021	Kepulauan Selayar	0.6964	0.018876	0.026565	0.03434	10.4028	212.8738	885.329	0.006661	0.068961	0.025927	0.004567
2021	Bulukumba	3.02158	0.15352	0.088675	0.065207	84.50521	52.13037	230.3563	0.099259	0.091155	0.046257	0.084673
2021	Bantaeng	2.093388	0.22068	0.145617	0.084172	469.4461	1.537589	9.569436	0.205516	0.181143	0.069032	0.114986
2021	Jeneponto	0.802731	0.582677	0.100908	0.030962	400.6303	0.146313	0.960808	0.094611	0.061311	0.023966	0.006657
2021	Takalar	15.69961	0.571324	0.208593	0.96668	4536.174	7.174559	39.29499	0.454082	2.038736	0.736798	0.733928
2021	Gowa	76.68153	0.166038	0.211068	3.000778	7745.388	2.415892	15.60388	0.518146	1.804215	1.075499	0.955411
2021	Sinjai	0.189435	0.185597	0.160071	0.028777	354.3898	6.503718	28.30851	0.04181	0.08533	0.021021	0.329866
2021	Maros	66.25489	1.621537	0.432529	1.495447	3910.879	11.03608	65.27356	2.138954	2.164352	0.712277	1.369651
2021	Pangkep	24.27801	7.051962	2.09042	0.869623	1712.26	4.13099	60.5573	0.631099	3.752731	0.482126	1.17025
2021	Barru	0.677391	0.043652	0.058317	0.007803	153.1813	0.01989	6.438582	0.086793	0.014384	0.104366	0.327263
2021	Bone	6.956917	0.493941	0.351884	0.100018	275.7323	0.121638	9848.66	0.142958	0.180486	0.207837	0.250802
2021	Soppeng	2.076905	0.017868	0.133508	0.062537	190.564	0.106963	303.8759	0.167577	0.110177	0.036826	0.174917
2021	Wajo	22.91142	1.116207	1.572403	0.112904	362.5223	0.924361	308139.5	0.909759	0.782192	0.415731	1.216092
2021	Sidrap	26.29712	2.002944	2.744011	0.437182	582.972	1.397631	40331.86	1.353303	1.13357	0.585233	1.10495
2021	Pinrang	8.48671	0.708858	0.994814	0.18319	287.7212	0.537898	1147.876	0.56334	0.436458	0.215162	0.136832
2021	Enrekang	0.286102	0.081423	0.056386	0.232648	153.3531	0.19932	2.862316	0.041098	0.168872	0.040124	0.025913
2021	Luwu	0.496282	0.016059	0.162097	0.02272	98.34401	0.042037	6.06E+10	0.075671	0.032289	0.07819	0.022747
2021	Tana Toraja	0.621411	0.051701	0.006034	0.017056	13.87636	0.025243	2.02E+12	0.005462	0.018789	0.042118	0.004969
2021	Luwu Utara	28.78149	0.164154	0.016194	1.404777	50.66529	1.107052	3.01E+18	0.002441	1.847046	0.976158	0.009481
2021	Luwu Timur	2.189777	0.060091	0.031211	0.099952	19.60089	0.016724	3.52E+20	0.286604	0.145357	0.148688	4.844067
	ata	0.39496	0.009525	0.249859	0.027579	74.15298	0.000532	3.92E+15	0.093617	0.168321	0.082639	0.061583
	kassar	160.4869	4.28153	6.236584	6.562702	7192.521	12.72918	94.20222	5.603468	2.977207	0.997573	0.949782
	epare	29.26206	2.475009	3.456887	0.694459	751.4324	1.284866	481957.5	2.202843	1.088442	0.60275	0.900204
	opo	0.15695	0.076196	0.168179	0.080052	65.92991	0.012214	7.95E+14	0.063547	0.473599	0.098912	0.048702



Lampiran 9. Nilai  $t_{hitung}$  Setiap Observasi

Tahun	Kab/Kota	$\beta_0$	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	$\beta_{1,2}$	$\beta_{2,1}$	$\beta_{3,1}$	$\beta_{3,2}$	$\beta_{3,3}$	$\beta_{4,1}$
2022	Kepulauan Selayar	0.597724	0.146339	0.11468	0.040871	8.639888	5.126152	121.4362	0.005104	0.058997	0.029569	0.001239
2022	Bulukumba	2.39901	0.028739	0.190478	0.110562	184.4505	281.6673	2126.65	0.022129	0.234003	0.075802	0.032432
2022	Bantaeng	4.762066	0.668517	0.93448	0.315654	589.6478	11.10422	83.90093	0.276046	1.777663	0.277879	0.150304
2022	Jeneponto	82.14895	1.273372	0.673235	1.447032	374.4436	36.73572	277.5326	0.518318	1.57147	1.295295	0.095092
2022	Takalar	8.378241	0.366418	0.116643	0.173437	2492.934	7.404207	55.93166	0.333681	0.630825	0.528943	1.314009
2022	Gowa	43.29152	3.26372	3.175204	0.36353	4903.154	68.07761	514.5033	4.870271	2.419211	0.136078	2.322409
2022	Sinjai	2.078852	0.39799	0.444637	0.000239	396.0664	181.5748	158.7991	0.134668	0.151997	0.023393	0.651066
2022	Maros	8.799934	0.675384	3.012456	1.487463	3221.849	13.86951	106.0236	2.076044	1.654356	29.02723	0.930524
2022	Pangkep	30.29507	4.328901	1.619952	1.127523	1057.661	7.445452	88.80968	3.467114	3.540767	0.586277	1.141641
2022	Barru	1.01325	0.060823	0.028703	0.100768	125.3963	0.154298	5.731564	0.01698	0.153486	0.289225	0.715147
2022	Bone	7.764303	0.511198	0.355498	0.089725	289.2073	0.116196	26069.53	0.167902	0.201696	0.247313	0.262386
2022	Soppeng	9.066326	0.035813	0.081594	0.293828	163.2795	0.076591	20.4204	0.053498	0.116132	0.224565	0.587514
2022	Wajo	6.839755	1.002529	1.195804	0.004657	263.5876	0.437486	57691.83	0.503284	0.460101	0.218558	0.716572
2022	Sidrap	7.020303	1.393403	1.695688	0.259269	536.5772	0.55555	1894.868	0.651018	0.633459	0.284432	0.760024
2022	Pinrang	2.624319	0.461399	0.58366	0.059819	39.67382	0.20085	684.492	0.249581	0.214236	0.092915	0.121361
2022	Enrekang	0.128845	0.108012	0.072239	0.264497	71.40995	0.142831	1.358548	0.052209	0.143446	0.021179	0.017836
2022	Luwu	0.181775	0.091675	0.060697	0.047318	58.7587	0.047845	3.38E+10	0.019815	0.094369	0.035346	0.02416
2022	Tana Toraja	1.989478	0.47562	0.41562	0.068179	57.51485	0.111747	5.35E+12	0.176089	0.342995	0.022112	0.060081
2022	Luwu Utara	20.66642	0.141705	0.015013	1.1352	38.4291	0.956269	1.36E+30	0.00228	2.661745	0.908463	0.001339
2022	Luwu Timur	1.805979	0.11597	0.045818	0.062917	16.61409	0.026986	1.14E+27	0.192328	0.184849	0.128025	4.96217
2022	Luwu Barat	1.447189	0.227501	0.240997	0.139687	60.01942	0.393414	3.76E+14	0.096553	0.257762	0.31947	0.075367
2022	Wakasar	91.91907	3.462027	3.942373	1.383048	3967.46	26.48789	200.2764	4.276144	0.479707	0.179319	1.56978
2022	Wajene	7.940296	1.87509	2.426544	0.454404	594.4668	0.595163	1159659	1.002777	0.707851	0.330262	0.749982
2022	Wopora	5.548938	0.080387	0.132559	1.742563	43.51442	0.44092	7.4E+14	0.052623	0.747582	0.332601	0.055606

