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LAMPIRAN



Lampiran 1 Data Jumlah Penduduk Miskin di Sulawesi Selatan tahun 2017(%)

No.	Kabupaten	HCI	Z	Y	x_1	x_2	x_3	x_4	x_5	x_6	x_7
1	Pangkep	9.37	16.22	1	52.75	99.83	98.95	32.38	85.1	59.36	2.07
2	Jeneponto		15.4	1	31.08	99.46	99.50	9.75	91.98	63.88	0.55
3	Toraja utara		14.41	1	93.30	99.02	98.48	34.36	71.72	65.33	3.64
4	Luwu utara		14.33	1	100	79.24	93.54	20.48	90.89	69.21	2.42
5	Luwu		14.01	1	98.61	84.2	98.45	20.69	88.68	64.69	2.06
6	Selayar		13.28	1	86.15	95.48	99.99	29.63	88.16	60.2	2.44
7	Enrekang		13.16	1	91.19	100	98.09	24.32	83.11	70.35	2.43
8	Tana toraja		12.62	1	91.64	98.66	99.35	48.56	83.01	67.12	3.68
9	Maros		11.14	1	64.60	99.99	98.83	22.51	86.79	57.8	5.31
10	Bone		10.28	1	91.40	95.61	99.89	13.72	92.82	57.98	1.80
11	Barru		9.71	1	65.93	99.88	100	25.09	87.14	59.47	3.81
12	Bantaeng		9.66	1	84.59	99.81	98.18	21.08	90.18	77.7	2.13
13	Takalar		9.24	0	63.17	99.52	97.82	23.78	94.08	64.37	1.30
14	Sinjai		9.24	0	95.22	99.23	99.65	10.75	94.67	69.61	1.75
15	Palopo		8.78	0	99.15	94.40	99.32	29.61	66.29	59.56	18.55
16	Pinrang		8.46	0	73.52	100	99.78	23.04	88.95	58.35	1.92
17	Soppeng		8.29	0	66.29	99.99	98.72	15.95	92.22	60.84	1.50
18	Gowa		8.24	0	88.88	99.55	97.88	27.43	95.09	62.17	2.12
19	Bulukumba		7.97	0	94.41	98.82	99.81	12.49	91.13	60.56	1.00
20	Luwu timur		7.66	0	97.50	90.88	96.00	26.68	80.08	70.03	5.52
21	Wajo		7.38	0	84.80	98.03	98.49	16.92	85.21	58.84	2.98
22	Parepare		5.7	0	70.05	100	99.42	28.68	64.25	66.65	12.36
23	Sidrap		5.32	0	74.4	99.94	98.53	23.74	85.28	49.17	2.35
24	Makassar		4.59	0	92.14	99.99	99.38	34.34	56.65	55.23	23.78

Keterangan:

Z = Tingkat kemiskinan kabupaten/kota di Provinsi Sulawesi Selatan (%).

Y = Kategori kemiskinan tiap kabupaten/kota di Provinsi Sulawesi Selatan.

x_1 = Rumah dengan dinding tembok dan kayu (%).

x_2 = Rumah dengan atap beton, genteng seng dan asbes (%).

x_3 = Rumah dengan lantai bukan tanah (%).

x_4 = Rumah dengan luas lantai < 8 m² per orang (%).

x_5 = Rumah dengan status kepemilikan sendiri (%).

x_6 = Tingkat partisipasi angkatan kerja (%).

x_7 = Rumah dengan status kepemilikan kontrak/sewa (%).



Lampiran 2 Letak geografis tiap kabupaten/kota di Sulawesi Selatan

NO.	Kabupaten	Lintang / <i>Latitude</i>	Bujur / <i>Longitude</i>
1	Pangkep	6.1139	116.1732
2	Jeneponto	5.5443	119.5715
3	Toraja utara	2.8983	119.5994
4	Luwu utara	2.4050	119.5802
5	Luwu	3.1651	119.5841
6	Selayar	6.1312	119.9353
7	Enrekang	3.5313	119.6113
8	Tana toraja	3.0561	119.4262
9	Maros	4.9644	119.4387
10	Bone	4.6784	119.5270
11	Barru	4.4321	119.1347
12	Bantaeng	5.4711	119.8372
13	Takalar	5.4104	119.1375
14	Sinjai	5.1969	120.0379
15	Palopo	3.0148	120.1648
16	Pinrang	3.6472	119.0457
17	Soppeng	4.3178	119.6202
18	Gowa	5.3292	119.4169
19	Bulukumba	5.4833	119.9363
20	Luwu timur	2.5306	120.5690
21	Wajo	3.9675	119.8829
22	Parepare	4.0127	119.6030
23	Sidrap	3.8073	119.7169
24	Makassar	5.1111	119.2621



Lampiran 3 Jarak Eucledean (d_{ij})

Kabupaten	Pangkep	Jeneponto	Toraja utara	Luwu utara	...	Makassar
Pangkep	0.0000	3.4457	4.6988	5.0362	...	3.2476
Jeneponto	3.4457	0.0000	2.6461	3.1393	...	0.5323
Toraja utara	4.6988	2.6461	0.0000	0.4937	...	2.2383
Luwu utara	5.0362	3.1393	0.4937	0.0000	...	2.7247
Luwu	4.5088	2.3793	0.2672	0.7600	...	1.9725
Selayar	3.7621	0.6905	3.2503	3.7430	...	1.2222
Enrekang	4.3001	2.0134	0.6331	1.1267	...	1.6179
Tana toraja	4.4645	2.4924	0.2343	0.6691	...	2.0615
Maros	3.4619	0.5950	2.0723	2.5632	...	0.2296
Bone	3.6481	0.8671	1.7815	2.2740	...	0.5073
Barru	3.4058	1.1949	1.6026	2.0754	...	0.6908
Bantaeng	3.7200	0.2756	2.5838	3.0768	...	0.6785
Takalar	3.0466	0.4542	2.5542	3.0378	...	0.3242
Sinjai	3.9720	0.5816	2.3400	2.8291	...	0.7805
Palopo	5.0534	2.5981	0.5773	0.8448	...	2.2823
Pinrang	3.7863	1.9686	0.9313	1.3523	...	1.4798
Soppeng	3.8869	1.2275	1.4196	1.9132	...	0.8704
Gowa	3.3373	0.2649	2.4377	2.9287	...	0.2675
Bulukumba	3.8156	0.3698	2.6069	3.0988	...	0.7701
Luwu timur	5.6713	3.1745	1.0370	0.9968	...	2.8926
Wajo	4.2859	1.6073	1.1061	1.5915	...	1.3012
Parepare	4.0223	1.5320	1.1144	1.6078	...	1.1501
Sidrap	4.2283	1.7431	0.9166	1.4089	...	1.3808
Makassar	3.2476	0.5323	2.2383	2.7247	...	0.0000



Lampiran 4 Pembobot *Fixed Gaussian Kernel*

Kabupaten	Pangkep	Jeneponto	Toraja utara	Luwu utara	...	Makassar
Pangkep	1	0.1946	0.0476	0.0303	...	0.2336
Jeneponto	0.1946	1	0.3809	0.257	...	0.9617
Toraja utara	0.0476	0.3809	1	0.967	...	0.5012
Luwu utara	0.0303	0.257	0.967	1	...	0.3593
Luwu	0.0606	0.4582	0.9902	0.9234	...	0.5849
Selayar	0.1421	0.9364	0.2331	0.1449	...	0.8139
Enrekang	0.0781	0.5719	0.9462	0.8394	...	0.6971
Tana toraja	0.0641	0.4247	0.9925	0.9402	...	0.5566
Maros	0.1916	0.9524	0.5532	0.4042	...	0.9928
Bone	0.1596	0.9015	0.6456	0.4902	...	0.9651
Barru	0.2021	0.8213	0.7018	0.5522	...	0.9363
Bantaeng	0.1484	0.9896	0.3984	0.2711	...	0.9385
Takalar	0.2781	0.972	0.4068	0.2802	...	0.9856
Sinjai	0.1136	0.9544	0.4701	0.3317	...	0.9194
Palopo	0.0296	0.3943	0.9551	0.9063	...	0.4877
Pinrang	0.1386	0.5861	0.8873	0.7772	...	0.7394
Soppeng	0.1246	0.8124	0.7574	0.6037	...	0.9008
Gowa	0.2154	0.9904	0.4407	0.3065	...	0.9902
Bulukumba	0.1344	0.9813	0.3918	0.2661	...	0.9215
Luwu timur	0.0119	0.2492	0.8622	0.872	...	0.3155
Wajo	0.0795	0.7004	0.8448	0.7053	...	0.7918
Parepare	0.1075	0.7236	0.8427	0.7002	...	0.8333
Sidrap	0.085	0.6578	0.8906	0.7606	...	0.7688
Makassar	0.2336	0.9617	0.5012	0.3593	...	1



Lampiran 5 Nilai model Semivariogram

Model <i>Spherical</i> (50.05)	Model <i>Spherical</i> (28.49)	Model <i>Spherical</i> (22.57)	Model <i>Exponensial</i> (28.49)	Model <i>Exponensial</i> (22.57)	Model <i>Gaussian</i> (22.57)	<i>Nugget</i>
0.0215	0.0378	0.0478	0.0019	0.0030	0.0042	1
0.0401	0.0704	0.0889	0.00661	0.0105	0.0078	1
0.0587	0.1030	0.1299	0.0140	0.0223	0.0114	1
0.0775	0.1359	0.1713	0.0244	0.0387	0.0151	1
0.0960	0.1682	0.2118	0.0373	0.0588	0.0187	1
0.1148	0.2009	0.2527	0.0530	0.0831	0.0223	1
0.1333	0.2329	0.2925	0.0708	0.1105	0.0259	1
0.1520	0.2651	0.3325	0.0913	0.1415	0.0295	1
0.1703	0.2966	0.3713	0.1135	0.1747	0.0330	1

MSE masing-masing model semivariogram dasar

No.	Struktur Dasar	MSE
1.	Model <i>Spherical</i> (50.05)	0.0422
2.	Model <i>Spherical</i> (28.49)	0.0241
3.	Model <i>Spherical</i> (22.57)	0.0195
4.	Model <i>Exponensial</i> (28.49)	0.0620
5.	Model <i>Exponensial</i> (22.57)	0.0513
6.	Model <i>Gaussian</i> (22.57)	0.0760
7.	<i>Nugget</i>	0.5336



Lampiran 6 Matriks Koregionalisasi

Matriks Koregionalisasi Pengaruh Nugget (0)

	y	x_1	x_2	x_3	x_4	x_5	x_6	x_7
y	0.0599	2.6268	0.0416	0.5392	-2.4401	-0.1048	-2.8698	-0.5191
x_1	2.6268	119.639	5.0403	24.0001	-109.12	5.5478	-128.82	-13.855
x_2	0.0416	5.0403	7.6447	-1.3660	-4.7508	9.0396	-4.2286	7.7316
x_3	0.5392	24.0001	-1.3660	6.2951	-21.264	3.7131	-26.468	-0.4930
x_4	-2.4401	-109.12	-4.7508	-21.264	102.629	2.1618	118.701	19.4559
x_5	-0.1048	5.5478	9.0396	3.7131	2.1618	61.2378	-4.1727	55.1974
x_6	4.1619	-128.82	-4.2286	-26.468	118.701	-4.1727	141.718	16.8179
x_7	-0.5191	-13.855	7.7316	-0.4930	19.4559	55.1974	16.8179	53.8189

Matriks Koregionalisasi Skala Spasial Kecil (Jarak 0-22.57⁰)

	y	x_1	x_2	x_3	x_4	x_5	x_6	x_7
y	0.7998	5.4487	-1.6982	0.8789	-2.5935	0.7956	4.1619	-2.56937
x_1	5.4488	94.0298	11.0683	6.0788	-75.528	18.7827	57.7315	-28.2156
x_2	-1.698	11.0684	41.4055	3.7975	-37.982	12.3952	-8.1158	16.1934
x_3	0.879	6.07889	3.7975	3.3879	-6.7662	3.1275	2.2714	0.5203
x_4	-2.593	-75.528	-37.9822	-6.7662	83.9267	-15.8763	-34.513	14.6697
x_5	0.7956	18.7827	12.3952	3.1275	-15.876	85.8300	24.4983	69.7478
x_6	4.162	57.7315	-8.1158	2.2714	-34.513	24.4983	45.573	-9.8897
x_7	-2.569	-28.216	16.1934	0.5203	14.6697	69.7478	-9.8897	82.1296

Matriks Koregionalisasi Skala Spasial Besar (Jarak 0-28.49⁰)

	y	x_1	x_2	x_3	x_4	x_5	x_6	x_7
y	0.3459	-9.2055	-0.4798	1.4413	-6.4058	2.7253	-0.1552	-2.563
x_1	-9.2055	356.744	41.485	-12.221	230.204	-148.96	52.2137	129.16
x_2	-0.4798	41.485	45.9983	5.8067	72.0035	-43.502	-31.895	29.130
x_3	1.4413	-12.221	5.8067	13.8758	-11.948	-19.897	11.1272	15.122
x_4	-6.4058	230.204	72.0035	-11.948	214.255	-112.51	-28.425	88.821
x_5	2.7253	-148.96	-43.502	-19.897	-112.51	231.00	-18.699	-194.5
x_6	-0.1552	52.2137	-31.895	11.1272	-28.425	-18.699	77.6892	22.969
x_7	5631	129.158	29.1304	15.1223	88.8207	-194.49	22.9688	168.90



Lampiran 7 Penaksir Parameter Model Semiparametrik GWLR

Kabupaten	$\hat{\beta}_0$	$\hat{\beta}_1$	$\hat{\beta}_2$	$\hat{\beta}_5$	$\hat{\beta}_7$	$\hat{\alpha}_3$	$\hat{\alpha}_4$	$\hat{\alpha}_6$
Pangkep	-8.8607	-0.0128	-0.0754	-0.0138	-0.0412	0.1723	0.0204	0.0261
Jeneponto	-10.4102	-0.0112	-0.0679	-0.0064	-0.0351	0.1723	0.0204	0.0261
Toraja utara	-11.1093	-0.0069	-0.0609	-0.0097	-0.0540	0.1723	0.0204	0.0261
Luwu utara	-11.1386	-0.0061	-0.0605	-0.0105	-0.0577	0.1723	0.0204	0.0261
Luwu	-11.0807	-0.0074	-0.0612	-0.0093	-0.0519	0.1723	0.0204	0.0261
Selayar	-10.1039	-0.0120	-0.0705	-0.0063	-0.0327	0.1723	0.0204	0.0261
Enrekang	-11.0351	-0.0081	-0.0617	-0.0087	-0.0491	0.1723	0.0204	0.0261
Tana toraja	-11.0746	-0.0072	-0.0612	-0.0096	-0.0526	0.1723	0.0204	0.0261
Maros	-10.6535	-0.0104	-0.0656	-0.0068	-0.0384	0.1723	0.0204	0.0261
Bone	-10.7651	-0.0100	-0.0645	-0.0071	-0.0403	0.1723	0.0204	0.0261
Barru	-10.7879	-0.0096	-0.0642	-0.0075	-0.0417	0.1723	0.0204	0.0261
Bantaeng	-10.4855	-0.0112	-0.0672	-0.0063	-0.0356	0.1723	0.0204	0.0261
Takalar	-10.4099	-0.0110	-0.0678	-0.0067	-0.0356	0.1723	0.0204	0.0261
Sinjai	-10.6368	-0.0109	-0.0658	-0.0064	-0.0374	0.1723	0.0204	0.0261
Palopo	-11.1608	-0.0073	-0.0604	-0.0093	-0.0535	0.1723	0.0204	0.0261
Pinrang	-10.9507	-0.0082	-0.0625	-0.0087	-0.0476	0.1723	0.0204	0.0261
Soppeng	-10.8791	-0.0094	-0.0634	-0.0075	-0.0430	0.1723	0.0204	0.0261
Gowa	-10.4947	-0.0109	-0.0671	-0.0066	-0.0362	0.1723	0.0244	0.0261
Bulukumba	-10.4926	-0.0112	-0.0671	-0.0063	-0.0356	0.1723	0.0204	0.0261
Luwu timur	-11.2546	-0.0066	-0.0596	-0.0098	-0.0570	0.1723	0.0204	0.0261
Wajo	-10.9869	-0.0089	-0.0622	-0.0080	-0.0460	0.1723	0.0204	0.0261
Parepare	-10.9478	-0.0089	-0.0626	-0.0080	-0.0453	0.1723	0.0204	0.0261
Sidrap	-11.0003	-0.0086	-0.0621	-0.0083	-0.0470	0.1723	0.0204	0.0261
Makassar	-10.5690	-0.0106	-0.0664	-0.0068	-0.0373	0.1723	0.0204	0.0261



Lampiran 8 Model Semiparametrik GWLR untuk tiap kabupaten/kota.

1. Pangkep

$$\hat{\pi}(x_1) = \frac{\exp(-8.86 - 0.01x_1 - 0.07x_2 + 0.17x_3 + 0.02x_4 - 0.01x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-8.86 - 0.01x_1 - 0.07x_2 + 0.17x_3 + 0.02x_4 - 0.01x_5 + 0.02x_6 - 0.04x_7)}$$

2. Jeneponto

$$\hat{\pi}(x_2) = \frac{\exp(-10.41 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.043)}{1 + \exp(-10.41 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.043)}$$

3. Toraja Utara

$$\hat{\pi}(x_3) = \frac{\exp(-11.10 - 0.006x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.09x_5 + 0.02x_6 - 0.05x_7)}{1 + \exp(-11.10 - 0.006x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.09x_5 + 0.02x_6 - 0.05x_7)}$$

4. Luwu Utara

$$\hat{\pi}(x_4) = \frac{\exp(-11.13 - 0.006x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.01x_5 + 0.02x_6 - 0.05x_7)}{1 + \exp(-11.13 - 0.006x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.01x_5 + 0.02x_6 - 0.05x_7)}$$

5. Luwu

$$\hat{\pi}(x_5) = \frac{\exp(-11.08 - 0.007x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.009 + 0.02x_6 - 0.05x_7)}{1 + \exp(-11.08 - 0.007x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.009 + 0.02x_6 - 0.05x_7)}$$

6. Selayar

$$\hat{\pi}(x_6) = \frac{\exp(-10.10 - 0.01x_1 - 0.07x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.10 - 0.01x_1 - 0.07x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}$$

7. Enrekang

$$\hat{\pi}(x_7) = \frac{\exp(-11.03 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-11.03 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}$$

8. Tana Toraja

$$\hat{\pi}(x_8) = \frac{\exp(-11.07 - 0.007x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.009x_5 + 0.02x_6 - 0.05x_7)}{1 + \exp(-11.07 - 0.007x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.009x_5 + 0.02x_6 - 0.05x_7)}$$

9. Maros

$$\hat{\pi}(x_9) = \frac{\exp(-10.63 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.63 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}$$

10. Bone

$$\hat{\pi}(x_{10}) = \frac{\exp(-10.76 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.007x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-10.76 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.007x_5 + 0.02x_6 - 0.04x_7)}$$

11. Barru

$$\hat{\pi}(x_{11}) = \frac{\exp(-10.78 - 0.009x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.007x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-10.78 - 0.009x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.007x_5 + 0.02x_6 - 0.04x_7)}$$

12. Bantaeng

$$\hat{\pi}(x_{12}) = \frac{\exp(-10.48 - 0.01x_1 - 0.076 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.48 - 0.01x_1 - 0.076 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}$$

13. Takalar

$$\hat{\pi}(x_{13}) = \frac{\exp(-10.40 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.0106 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.40 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.0106 + 0.02x_6 - 0.03x_7)}$$



14. Sinjai

$$\hat{\pi}(x_{14}) = \frac{\exp(-10.63 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.63 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}$$

15. Palopo

$$\hat{\pi}(x_{15}) = \frac{\exp(-11.16 - 0.007x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.009x_5 + 0.02x_6 - 0.05x_7)}{1 + \exp(-11.16 - 0.007x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.009x_5 + 0.02x_6 - 0.05x_7)}$$

16. Pinrang

$$\hat{\pi}(x_{16}) = \frac{\exp(-10.95 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-10.95 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}$$

17. Soppeng

$$\hat{\pi}(x_{17}) = \frac{\exp(-10.87 - 0.09x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.07x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-10.87 - 0.09x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.07x_5 + 0.02x_6 - 0.04x_7)}$$

18. Gowa

$$\hat{\pi}(x_{18}) = \frac{\exp(-10.49 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.49 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}$$

19. Bulukumba

$$\hat{\pi}(x_{19}) = \frac{\exp(-10.49 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.49 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}$$

20. Luwu Timur

$$\hat{\pi}(x_{20}) = \frac{\exp(-11.25 - 0.006x_1 - 0.05x_2 + 0.17x_3 + 0.02x_4 - 0.009x_5 + 0.02x_6 - 0.05x_7)}{1 + \exp(-11.25 - 0.006x_1 - 0.05x_2 + 0.17x_3 + 0.02x_4 - 0.009x_5 + 0.02x_6 - 0.05x_7)}$$

21. Wajo

$$\hat{\pi}(x_{21}) = \frac{\exp(-10.98 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-10.98 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}$$

22. Parepare

$$\hat{\pi}(x_{22}) = \frac{\exp(-10.94 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.08x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-10.94 - 0.008x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.08x_5 + 0.02x_6 - 0.04x_7)}$$

23. Sidrap

$$\hat{\pi}(x_{23}) = \frac{\exp(-11.00 - 0.098x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}{1 + \exp(-11.00 - 0.098x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.008x_5 + 0.02x_6 - 0.04x_7)}$$

24. Makassar

$$\hat{\pi}(x_{24}) = \frac{\exp(-10.56 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}{1 + \exp(-10.56 - 0.01x_1 - 0.06x_2 + 0.17x_3 + 0.02x_4 - 0.006x_5 + 0.02x_6 - 0.03x_7)}$$



Lampiran 9 Model Semiparametrik GWLR terbaik untuk tiap kabupaten/kota.

1. Pangkep

$$\hat{\pi}(x_1) = \frac{\exp(-8.86 - 0.07x_2 + 0.17x_3)}{1 + \exp(-8.86 - 0.07x_2 + 0.17x_3)}$$

2. Jeneponto

$$\hat{\pi}(x_2) = \frac{\exp(-10.41 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.41 - 0.06x_2 + 0.17x_3)}$$

3. Toraja Utara

$$\hat{\pi}(x_3) = \frac{\exp(-11.10 - 0.06x_2 + 0.17x_3)}{1 + \exp(-11.10 - 0.06x_2 + 0.17x_3)}$$

4. Luwu Utara

$$\hat{\pi}(x_4) = \frac{\exp(-11.13 - 0.06x_2 + 0.17x_3)}{1 + \exp(-11.13 - 0.06x_2 + 0.17x_3)}$$

5. Luwu

$$\hat{\pi}(x_5) = \frac{\exp(-11.08 - 0.06x_2 + 0.17x_3)}{1 + \exp(-11.08 - 0.06x_2 + 0.17x_3)}$$

6. Selayar

$$\hat{\pi}(x_6) = \frac{\exp(-10.10 - 0.07x_2 + 0.17x_3)}{1 + \exp(-10.10 - 0.07x_2 + 0.17x_3)}$$

7. Enrekang

$$\hat{\pi}(x_7) = \frac{\exp(-11.03 - 0.06x_2 + 0.17x_3)}{1 + \exp(-11.03 - 0.06x_2 + 0.17x_3)}$$

8. Tana Toraja

$$\hat{\pi}(x_8) = \frac{\exp(-11.07 - 0.06x_2 + 0.17x_3)}{1 + \exp(-11.07 - 0.06x_2 + 0.17x_3)}$$

9. Maros

$$\hat{\pi}(x_9) = \frac{\exp(-10.63 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.63 - 0.06x_2 + 0.17x_3)}$$

10. Bone

$$\hat{\pi}(x_{10}) = \frac{\exp(-10.76 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.76 - 0.06x_2 + 0.17x_3)}$$

11. Barru

$$\hat{\pi}(x_{11}) = \frac{\exp(-10.78 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.78 - 0.06x_2 + 0.17x_3)}$$

12. Bantaeng

$$\hat{\pi}(x_{12}) = \frac{\exp(-10.48 - 0.076 + 0.17x_3)}{1 + \exp(-10.48 - 0.076 + 0.17x_3)}$$

13. Takalar

$$\hat{\pi}(x_{13}) = \frac{\exp(-10.40 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.40 - 0.06x_2 + 0.17x_3)}$$



14. Sinjai

$$\hat{\pi}(x_{14}) = \frac{\exp(-10.63 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.63 - 0.06x_2 + 0.17x_3)}$$

15. Palopo

$$\hat{\pi}(x_{15}) = \frac{\exp(-11.16 - 0.06x_2 + 0.17x_3)}{1 + \exp(-11.16 - 0.06x_2 + 0.17x_3)}$$

16. Pinrang

$$\hat{\pi}(x_{16}) = \frac{\exp(-10.95 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.95 - 0.06x_2 + 0.17x_3)}$$

17. Soppeng

$$\hat{\pi}(x_{17}) = \frac{\exp(-10.87 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.87 - 0.06x_2 + 0.17x_3)}$$

18. Gowa

$$\hat{\pi}(x_{18}) = \frac{\exp(-10.49 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.49 - 0.06x_2 + 0.17x_3)}$$

19. Bulukumba

$$\hat{\pi}(x_{19}) = \frac{\exp(-10.49 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.49 - 0.06x_2 + 0.17x_3)}$$

20. Luwu Timur

$$\hat{\pi}(x_{20}) = \frac{\exp(-11.25 - 0.05x_2 + 0.17x_3)}{1 + \exp(-11.25 - 0.05x_2 + 0.17x_3)}$$

21. Wajo

$$\hat{\pi}(x_{21}) = \frac{\exp(-10.98 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.98 - 0.06x_2 + 0.17x_3)}$$

22. Parepare

$$\hat{\pi}(x_{22}) = \frac{\exp(-10.94 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.94 - 0.06x_2 + 0.17x_3)}$$

23. Sidrap

$$\hat{\pi}(x_{23}) = \frac{\exp(-11.00 - 0.06x_2 + 0.17x_3)}{1 + \exp(-11.00 - 0.06x_2 + 0.17x_3)}$$

24. Makassar

$$\hat{\pi}(x_{24}) = \frac{\exp(-10.56 - 0.06x_2 + 0.17x_3)}{1 + \exp(-10.56 - 0.06x_2 + 0.17x_3)}$$

