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LAMPIRAN-LAMPIRAN

Lampiran 1: Prevalensi Jumlah kejadian *stunting* berdasarkan Kabupaten/Kota di Sulawesi Selatan 2022

No	Kabupaten_Kota	Stunting
1	Bantaeng	22,1
2	Barru	14,1
3	Bone	27,8
4	Bulukumba	28,4
5	Enrekang	26,4
6	Gowa	33
7	Jeneponto	39,8
8	Kepulauan Selayar	32,1
9	Makassar	18,4
10	Palopo	23,8
11	Parepare	27,3
12	Luwu	26,7
13	Luwu Timur	22,6
14	Luwu Utara	29,8
15	Maros	30,1
16	Pangkajene Dan Kepulauan	34,2
17	Pinrang	20,9
18	Sidenreng Rappang	27,3
19	Sinjai	29,4
20	Soppeng	26,9
21	Takalar	31,3
22	Tana Toraja	35,4
23	Toraja Utara	34,1
24	Wajo	28,6

Lampiran 2: Matriks Pembobot

No	Kabupaten/Kota	Tetangga	Jumlah tetangga
1	Bantaeng	4, 6, 7, 19	4
2	Barru	3, 11, 16, 18, 20	5
3	Bone	2, 6, 15, 16, 19, 20, 24	7
4	Bulukumba	1, 19	2
5	Enrekang	12, 17, 18, 22	4
6	Gowa	1, 3, 7, 9, 15, 19, 21	7
7	Jeneponto	1, 6, 21	3
8	Kepulauan Selayar	0	-
9	Makassar	6, 15, 21	3
10	Palopo	12, 23	2
11	Pare-pare	2, 17, 18	3
12	Luwu	5, 10, 14, 18, 22, 23, 24	7
13	Luwu Timur	14	1
14	Luwu Utara	12, 13, 23	3
15	Maros	3, 6, 9, 16	4
16	Pangkajene dan Kepulauan	2, 3, 15	3
17	Pinrang	5, 11, 18, 22	4
18	Sidenreng Rappang	2, 5, 11, 12, 17, 20, 24	7
19	Sinjai	1, 3, 4, 6	4
20	Soppeng	2, 3, 18, 24	4
21	Takalar	6, 7, 9	3
22	Tana Toraja	5, 12, 17, 23	4
23	Toraja Utara	10, 12, 14, 22	4
24	Wajo	3, 12, 18, 20	4

Lampiran 3: Matriks Pembobot (Queen Contiguity)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Bantaeng	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Barru	2	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	0	0	0
Bone	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
Bulukumba	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Enrekang	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	1	0	0
Gowa	6	1	0	1	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0
Jeneponto	7	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Kepulauan Selayar	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Makassar	9	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Palopo	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Pare-pare	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0
Luwu	12	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	1	1
Luwu Timur	13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Luwu Utara	14	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0
Maros	15	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Pangkep	16	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Pinrang	17	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0
Sidrap	18	0	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	1
Sinjai	19	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Soppeng	20	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Takalar	21	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Tana Toraja	22	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0
Toraja Utara	23	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0
Wajo	24	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0

Lampiran 4: Uji autokorekasi global Moran's I

Moran I test under randomisation

data: stunting\$Stunting
weights: ww

Moran I statistic standard deviate = -0.1163, p-value = 0.5463

alternative hypothesis: greater

sample estimates:

Moran I statistic	Expectation	Variance
-0.05972488	-0.04347826	0.01951337

Lampiran 5: Uji autokorekasi Local Indicator of Spatial Association (LISA)

	Ii	E.Ii	Var.Ii	Z.Ii	Pr(z != E(Ii))
0	-0.873012620	-4.701844e-02	2.321854e-01	-1.71419232	0.08649341
1	0.051598582	-2.641981e-01	7.634519e-01	0.36142379	0.71778267
2	0.001285704	-2.608674e-05	6.504576e-05	0.16265033	0.87079376
3	-0.032107173	-2.951467e-04	3.379773e-03	-0.54720184	0.58424007
4	0.118932901	-3.261705e-03	1.684643e-02	0.94145169	0.34647343
5	0.361197723	-3.536263e-02	8.505877e-02	1.35972081	0.17391829
6	0.324696490	-1.941632e-01	1.137919e+00	0.48640079	0.62668303
7	0.061095363	-2.390688e-02	5.600482e-01	0.11358414	0.90956746
8	-0.192271138	-2.113026e-03	1.533499e-02	-1.53558234	0.12464085
9	0.285840613	-3.930884e-02	4.325655e-01	0.49437568	0.62104089
10	-0.423846084	-4.786378e-03	3.464341e-02	-2.25146708	0.02435597
11	-0.114043686	-1.255115e-01	2.736832e-01	0.02192082	0.98251112
12	-0.283946414	-6.452480e-03	1.538603e-01	-0.70744099	0.47929247
13	0.053068983	-2.362057e-02	1.677283e-01	0.18725484	0.85146083
14	0.151540896	-5.411403e-02	2.652350e-01	0.39932242	0.68965565
15	0.052011140	-5.607571e-04	4.075947e-03	0.82345411	0.41024981
16	-0.399214883	-6.833627e-02	3.299078e-01	-0.57606621	0.56457043
17	0.088042011	-5.607571e-04	1.397467e-03	2.37015331	0.01778071
18	-0.005221444	-2.951251e-03	1.524771e-02	-0.01838487	0.98533183
19	0.114827150	-1.485219e-03	7.684707e-03	1.32682073	0.18456799
20	0.558003653	-1.560052e-02	1.116883e-01	1.71636027	0.08609612
21	-0.707513161	-7.683925e-02	3.675722e-01	-1.04024002	0.29822840
22	-0.564704424	-5.239964e-02	2.572976e-01	-1.00997488	0.31250733
23	-0.059657358	-6.056005e-04	3.136211e-03	-1.05446020	0.29167227

Lampiran 6: Uji autokorekasi Local Geary's Ratio

```
gearyuji <- geary.test(Sulsel$Stunting, ww)
gearyuji

##
## Geary C test under randomisation
##
## data: Sulsel$Stunting
## weights: ww
##
## Geary C statistic standard deviate = -0.27481, p-value = 0.6083
## alternative hypothesis: Expectation greater than statistic

## sample estimates:
## Geary C statistic      Expectation      Variance
##      1.04276792      1.00000000      0.02421908
```

Lampiran 7: Data Jumlah Balita, Kematian Balita, dan Jumlah Balita yang Terkena Penyakit

Kabupaten_Kota	Jumlah Penduduk (5 Tahun)	Kematian Balita	Data Kesakitan
Bantaeng	15900	0	40,69
Barru	15067	0	14,26
Bone	58301	1	16,62
Bulukumba	31467	1	20,85
Enrekang	17575	1	17,35
Gowa	63486	0	25,08
Jeneponto	31997	4	25,86
Kepulauan Selayar	9790	1	21,85
Makassar	116278	2	53,3
Palopo	17979	0	17,73
Pare-pare	15073	0	19,15
Luwu	30625	5	21,87
Luwu Timur	30409	8	19,41
Luwu Utara	26693	2	18,23
Maros	36456	0	28,19
Pangkep	30121	5	21,43
Pinrang	34170	1	32,23
Sidrap	27174	1	22,67
Sinjai	21783	13	35,3
Soppeng	15270	8	13,46
Takalar	27588	1	29,63
Tana Toraja	19113	3	17,1
Toraja Utara	22934	0	20,41
Wajo	26719	2	22,1

**Lampiran 8: Hasil Korelasi & Signifikansi Kejadian *Stunting* terhadap Indeks
Mortalitas & Morbiditas di Provinsi Sulawesi Selatan**

korelasi Pearson (Stunting dan Mortalitas)

```
Pearson's product-moment correlation

data: Stunting and Mortalitas
t = 0.61177, df = 22, p-value = 0.547
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.2891483  0.5063149
sample estimates:
      cor
0.1293342
```

korelasi Pearson (Stunting dan Morbiditas)

```
Pearson's product-moment correlation

data: Stunting and Morbiditas
t = -0.27038, df = 22, p-value = 0.7894
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.4504882  0.3540667
sample estimates:
      cor
-0.05754977
```

uji regresi (Stunting terhadap Mortalitas)

```
Call:
lm(formula = Mortalitas ~ Stunting, data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-0.12489 -0.08306 -0.05036 -0.00487  0.48859

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  0.003843   0.165342   0.023   0.982
Stunting      0.003550   0.005802   0.612   0.547

Residual standard error: 0.1596 on 22 degrees of freedom
Multiple R-squared:  0.01673,    Adjusted R-squared:  -0.02797
F-statistic: 0.3743 on 1 and 22 DF,  p-value: 0.547
```

uji regresi (Stunting terhadap Morbiditas)

```
Call:
lm(formula = Morbiditas ~ Stunting, data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-0.67714 -0.25759 -0.08934  0.00668  1.56709

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.10762   0.55122   2.009   0.0569 .
Stunting     -0.00523   0.01934  -0.270   0.7894
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.532 on 22 degrees of freedom
Multiple R-squared:  0.003312,    Adjusted R-squared:  -0.04199
F-statistic: 0.07311 on 1 and 22 DF,  p-value: 0.7894
```

**Lampiran 9: Hasil Korelasi & Signifikansi Kejadian *Stunting* terhadap Indeks
Mortalitas & Morbiditas pada *Regional Outlier* di Provinsi
Sulawesi Selatan**

korelasi Pearson (Stunting dan Mortalitas *Regiona Outlier*)

```
Pearson's product-moment correlation

data:  x and y
t = 0.8179, df = 5, p-value = 0.4506
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.5524556  0.8712044
sample estimates:
      cor
0.3435158
```

Korelasi Pearson (Stunting dan Morbiditas pada *Regiona Outlier*)

```
Pearson's product-moment correlation

data:  x and y
t = -0.077903, df = 5, p-value = 0.9409
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.7677459  0.7375793
sample estimates:
      cor
-0.03481826
```


uji regresi (Stunting terhadap Mortalitas *Regiona Outlier*)

```
Call:
lm(formula = y ~ x)

Residuals:
    1        2        3        4        5
0.006729 -0.084398  0.011916 -0.155456 -0.046821
    6        7
0.369459 -0.101429

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept) -0.17997     0.37372  -0.482   0.650
x             0.01229     0.01502   0.818   0.451

Residual standard error: 0.19 on 5 degrees of freedom
Multiple R-squared:  0.118,    Adjusted R-squared:  -0.0584
F-statistic: 0.669 on 1 and 5 DF,  p-value: 0.4506
```

uji regresi (Stunting terhadap Morbiditas *Regiona Outlier*)

```
Call:
lm(formula = y ~ x)

Residuals:
    1        2        3        4        5
-0.0006224  0.0537486 -0.2259008  0.3348002 -0.0026774
    6        7
-0.0556672 -0.1036809

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)  0.967097   0.373113   2.592  0.0487 *
x            -0.001168   0.014998  -0.078  0.9409
---
Signif. codes:
0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.1897 on 5 degrees of freedom
Multiple R-squared:  0.001212, Adjusted R-squared:  -0.1985
F-statistic: 0.006069 on 1 and 5 DF,  p-value: 0.9409
```

Lampiran 10: Hasil Korelasi & Signifikansi Kejadian *Stunting* terhadap Indeks Mortalitas & Morbiditas pada *Regional Cluster* di Provinsi Sulawesi Selatan

Korelasi Stunting dan Mortalitas pada *Regiona Cluster*

```
Pearson's product-moment correlation

data:  x and y
t = 0.11884, df = 3, p-value = 0.9129
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.8661227  0.8965714
sample estimates:
      cor
0.06844959
```

korelasi Pearson (Stunting dan Morbiditas *Regiona Cluster*)

```
Pearson's product-moment correlation

data:  x and y
t = -1.7704, df = 3, p-value = 0.1748
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.9794085  0.4533977
sample estimates:
      cor
-0.7148021
```


uji regresi (Stunting terhadap Mortalitas *Regiona Cluster*)

```
Call:
lm(formula = y ~ x)

Residuals:
    1      2      3      4      5 
-0.12924 -0.11623 -0.15864 -0.04698  0.45107

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)  0.069626   0.705614   0.099   0.928
x            0.002697   0.022697   0.119   0.913

Residual standard error: 0.295 on 3 degrees of freedom
Multiple R-squared:  0.004685, Adjusted R-squared:  -0.3271
F-statistic: 0.01412 on 1 and 3 DF,  p-value: 0.9129
```

uji regresi (Stunting terhadap Morbiditas *Regiona Cluster*)

```
Call:
lm(formula = y ~ x)

Residuals:
    1      2      3      4      5 
0.5315 -0.7575 -0.5714  0.4980  0.2994

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)  4.17175    1.70298   2.45  0.0917 .
x           -0.09698    0.05478  -1.77  0.1748
---
Signif. codes:
  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.7119 on 3 degrees of freedom
Multiple R-squared:  0.5109, Adjusted R-squared:  0.3479
F-statistic: 3.134 on 1 and 3 DF,  p-value: 0.1748
```