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LAMPIRAN

Lampiran 1 Data AKB Di Provinsi Sulawesi Selatan Tahun 2017.

NO	KABUPATEN	X1	X2	X3	X4	X5	X6
1	Selayar	150.31	36.3	78	407	1874	1925
2	Bulukumba	374.25	80.95	296	2562	6458	4820
3	Bantaeng	496.07	69.44	100	983	3376	3441
4	Jeneponto	453.53	43.07	243	1282	6215	6676
5	Takalar	505.53	64.79	172	1503	5716	5545
6	Gowa	399.77	48.35	262	12645	12645	2457
7	Sinjai	312.03	37.02	273	3108	4023	5438
8	Maros	245.77	43.82	238	3043	5622	5200
9	Pangkep	325.13	75.92	202	2071	5149	5036
10	Barru	147.85	43.39	46	1343	3044	3104
11	Bone	190.01	43.86	271	2968	13357	13486
12	Soppeng	183.73	47.15	169	967	2860	2631
13	Wajo	183.83	43.94	361	2262	6646	6905
14	Sidrap	164.87	77.26	299	268	5429	5205
15	Pinrang	210	68.85	216	2287	6956	6978
16	Enrekang	134.21	56.43	167	2365	3318	2887
17	Luwu	125.17	42.79	196	2046	6599	6355
18	Tana Toraja	137.86	55.65	111	988	3871	3978
19	Luwu Utara	48.63	58.04	275	4074	5150	5160
20	Luwu Timur	43.39	76.72	265	1693	5708	5633
21	Toraja Utara	208.05	55.88	126	1726	3937	3872
22	Makassar	9463.95	68.16	846	15960	26005	25543
23	Pare-Pare	1788.49	66.69	163	785	2737	2156
24	Palopo	738.08	38.71	91	607	2943	2982

Lampiran 2 Hasil Uji DfFITS Data Profil Kesehatan Sulawesi Selatan Tahun 2017

NO	Kabupaten	<i>DfFITS</i>	Bukan Pencilan
1	Selayar	-0.6427	Bukan Pencilan
2	Bulukumba	0.2212	Bukan Pencilan
3	Bantaeng	0.2212	Bukan Pencilan
4	Jeneponto	0.6675	Bukan Pencilan
5	Takalar	-0.0693	Bukan Pencilan
6	Gowa	-2.8173	Bukan Pencilan
7	Sinjai	0.5067	Bukan Pencilan
8	Maros	-0.3591	Bukan Pencilan
9	Pangkep	0.4862	Bukan Pencilan
10	Barru	-0.1798	Bukan Pencilan
11	Bone	1.6345	Pencilan
12	Soppeng	0.3083	Bukan Pencilan
13	Wajo	-1.5452	Bukan Pencilan
14	Sidrap	-0.5240	Bukan Pencilan
15	Pinrang	-0.1231	Bukan Pencilan
16	Enrekang	0.5720	Bukan Pencilan
17	Luwu	0.2936	Bukan Pencilan
18	Tana Toraja	-0.1738	Bukan Pencilan
19	Luwu Utara	0.2044	Bukan Pencilan
20	Luwu Timur	-0.2465	Bukan Pencilan
21	Toraja Utara	0.0214	Bukan Pencilan
22	Makassar	-10.7951	Bukan Pencilan
23	Pare-Pare	1.3012	Pencilan
24	Palopo	-0.1753	Bukan Pencilan

Lampiran 3 Iterasi Parameter Regresi *Robust Least Trimmed Square*

Model OLS dengan R-Studio

```
Call:
lm(formula = Y ~ X1 + X2 + X3 + X4 + X5 + X6 , data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-6.5420867 -1.9354702 -0.5374001  2.4252160  5.8187260

Coefficients:
            Estimate Std. Error t.statistic p.value
(Intercept) 13.1522661122  3.7393405501    3.517269 0.00264
X1          -0.0012548738  0.0009968428   -1.258848 0.22510
X2          -0.0717033294  0.0660563534   -1.085487 0.29286
X3           0.0166117602  0.0143844886    1.154838 0.26413
X4           0.0013203359  0.0008725145    1.513254 0.14858
X5          -0.0020841562  0.0009762239   -2.134916 0.04762
X6           0.0009779675  0.0008657234    1.129654 0.27431
Residual standard error: 3.88 on 17 degrees of freedom
Multiple R-squared:  0.4316 , Adjusted R-squared:  0.23099
F-statistic: 2.151 on 6 and 17 DF, p-value: 0.1001
```

Iterasi Parameter Regresi *Robust LTS*

```
> BETA
              OLS              B_1              B_2
(Intercept) 13.1522661122 13.1522661122 13.1522661122
X1          -0.0012548738 -0.0012548738 -0.0012548738
X2          -0.0717033294 -0.0717033294 -0.0717033294
X3           0.0166117602  0.0166117602  0.0166117602
X4           0.0013203359  0.0013203359  0.0013203359
X5          -0.0020841562 -0.0020841562 -0.0020841562
X6           0.0009779675  0.0009779675  0.0009779675
>
```

Parameter Regresi *Ridge Robust LTS*

```
-----
lm(formula = Y ~ X1 + X2 + X3 + X4 + X5 + X6 , data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-6.98194569 -2.20198351  0.02175116  2.46124565  6.41062776

Coefficients:
            Estimate Std. Error t.statistic p.value
(Intercept)  8.3996379996  3.9129710821    2.146613870 0.04655
X1          -0.0018422466  0.0010431297   -1.766076319 0.09533
X2           0.0002820078  0.0691235786    0.004079763 0.99679
X3           0.0152194546  0.0150524102    1.011097522 0.32615
X4           0.0016157187  0.0009130283    1.769626040 0.09472
X5          -0.0023229397  0.0010215533   -2.273928966 0.03622
X6           0.0013093263  0.0009059219    1.445297059 0.16656
Residual standard error: 6.342 on 17 degrees of freedom
Multiple R-squared:  0.10013 , Adjusted R-squared:  0.15792
F-statistic: 1.716 on 6 and 17 DF, p-value: 0.1777
> |
```

Lampiran 4 Iterasi Parameter Regresi *Robust LTS* Data Bangkitan

Model OLS dengan R-Studio

```
Call:
lm(formula = Y ~ X1 + X2 + X3 + X4 + X5 + X6, data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-29.302 -13.934 -10.113  -4.186  77.239

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  9.178954  15.115052   0.607  0.5452
X1          -0.004486   0.003608  -1.243  0.2168
X2           0.245928   0.252883   0.972  0.3333
X3          -0.076288   0.054245  -1.406  0.1629
X4           0.005640   0.002820   2.000  0.0484 *
X5          -0.004861   0.003254  -1.494  0.1386
X6           0.005757   0.003119   1.845  0.0682 .
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 29.4 on 93 degrees of freedom
Multiple R-squared:  0.05081, Adjusted R-squared:  -0.01043
F-statistic: 0.8297 on 6 and 93 DF, p-value: 0.5499
```

Iterasi *Robust Least Trimmed Square*

```
>
> BETA
              OLS          B_1          B_2          B_3          B_4
(Intercept)  9.178953622 -5.356690907 11.086009381 11.701374976 11.701374976
X1          -0.004486092 -0.007444374 -0.002206356 -0.002309482 -0.002309482
X2           0.245927648  0.268406627 -0.030136683 -0.041796337 -0.041796337
X3          -0.076287946 -0.032285324  0.008777653  0.010394180  0.010394180
X4           0.005640263  0.006891882  0.002855154  0.002890873  0.002890873
X5          -0.004861213 -0.006069045 -0.003013436 -0.003021636 -0.003021636
X6           0.005756578  0.005850449  0.001516241  0.001473613  0.001473613
>
```

Estimasi Parameter Regresi *Ridge Robust LTS*

```
lm(formula = Y ~ X1 + X2 + X3 + X4 + X5 + X6, data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-5.1666003 -1.6798400 -0.2258895  1.5859983  7.2162822

Coefficients:
            Estimate Std. Error t.statistic p.value
(Intercept) 10.661686181  1.5224294675   7.003074 0.00000
X1          -0.002454294  0.0003671365  -6.684963 0.00000
X2          -0.026788773  0.0250004829  -1.071530 0.28728
X3           0.010985609  0.0056961792   1.928593 0.05747
X4           0.002942865  0.0002819167  10.438772 0.00000
X5          -0.003063588  0.0003135804  -9.769702 0.00000
X6           0.001521385  0.0003019914   5.037843 0.00000
Residual standard error: 2.597 on 77 degrees of freedom
Multiple R-squared:  0.79864, Adjusted R-squared:  0.73494
F-statistic: 39 on 6 and 77 DF, p-value: 2.094e-21
```

Lampiran 5 Hasil Uji DfFITS Data Bangkitan

```

> # Kriteria Pencilan
> 2*sqrt(p/n)
[1] 0.5291503
>
> data[which(dffits(regOLS) > 2*sqrt(p/n)),]
      Y      X1      X2      X3      X4      X5      X6
5  89.88888 1910.3070 72.74177 349.158320 4698.0430 8427.217 6780.745
19 85.14631 -1825.5488 57.55938 -54.338096 -3800.9695 -2756.473 -2112.780
33 86.52001 3655.0266 67.14326 239.504372 3913.4802 8865.323 9276.955
37 92.76987 -121.1960 45.84789 221.821599 4951.3457 4809.345 2433.934
39 87.89653 1022.4451 57.61474 350.934425 691.6565 6553.085 8324.370
41 85.71029 706.3896 65.14876 269.683971 3016.1821 9621.764 9236.790
42 93.78482 414.5961 56.47842 67.622210 3049.1450 2977.961 2095.089
45 81.72724 2592.7767 37.56210 273.651031 7029.5707 11321.750 8066.088
64 94.95512 -1751.3244 49.87511 276.415706 2808.6024 5614.813 3640.348
65 82.63230 2967.5772 82.39249 405.081681 7152.2315 13366.147 12272.488
75 89.95527 1476.4997 59.63949 444.272095 9834.0533 13546.330 9783.134
79 85.86049 4269.8140 66.40949 439.439678 6509.1157 14436.537 14459.533
83 89.65800 -943.5164 34.62860 -4.603051 338.5290 2571.216 1801.212
86 85.31138 3681.7584 76.43847 274.386850 6318.5614 10140.690 8073.626
95 96.63471 656.7143 45.96876 154.603841 5642.8034 5111.993 4151.759
>

```


Lampiran 6 Variabel X Signifikan Terhadap Y

Model OLS

```

Call:
lm(formula = Y ~ x1 + x4 + x5 + x6, data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-26.472 -14.227 -11.049  -6.012  72.159

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 17.534102   5.921097   2.961  0.00387 **
x1          -0.003225   0.003283  -0.982  0.32837
x4           0.003703   0.002523   1.467  0.14556
x5          -0.003812   0.003131  -1.218  0.22630
x6           0.003251   0.002700   1.204  0.23152

```

Regresi *Robust* LTS

```

Call:
lm(formula = Y ~ x1 + x4 + x5 + x6, data = data)

Residuals:
    Min       1Q   Median       3Q      Max
-8.47366012 -1.97816088  0.07817054  1.60619583  8.02259792

Coefficients:
            Estimate Std. Error t.statistic p.value
(Intercept) 10.090349649  0.6148200301   16.411875    0
x1          -0.002322257  0.0003513009   -6.610448    0
x4           0.003087313  0.0002686081   11.493746    0
x5          -0.003148945  0.0003204771   -9.825803    0
x6           0.001807181  0.0002763817    6.538715    0
Residual standard error: 2.87 on 80 degrees of freedom
Multiple R-squared: 0.70486, Adjusted R-squared: 0.69011
F-statistic: 47.77 on 4 and 80 DF, p-value: 1.846e-20

```

Iterasi Parameter Regresi *Robust* LTS

```

<
> BETA
            OLS          B_1          B_2          B_3
(Intercept) 17.534102487 11.533179786 10.090349649 10.090349649
x1          -0.003225499 -0.002634372 -0.002322257 -0.002322257
x4           0.003702798  0.004127657  0.003087313  0.003087313
x5          -0.003812481 -0.003925225 -0.003148945 -0.003148945
x6           0.003251463  0.003435164  0.001807181  0.001807181
>

```

Parameter Regresi *Ridge Robust* LTS

```

Call:
lm(formula = Y ~ X1 + X4 + X5 + X6 , data = data)

Residuals:
      Min       1Q   Median       3Q      Max
-8.44332064 -1.91857716  0.04210129  1.77434861  8.04387418

Coefficients:
              Estimate      Std. Error t. statistic p. value
(Intercept)  9.935043167  0.6150651760   16.152830     0
X1           -0.002368236  0.0003514410   -6.738644     0
X4            0.003090650  0.0002687152   11.501583     0
X5           -0.003135337  0.0003206049   -9.779441     0
X6            0.001818264  0.0002764919    6.576192     0
Residual standard error: 1.955 on 80 degrees of freedom
Multiple R-squared:  0.88542 , Adjusted R-squared:  0.68986
F-statistic: 47.37 on 4 and 80 DF, p-value: 2.326e-20

```