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Lampiran 1. Data Bayi Gizi Buruk di Provinsi Sulawesi Selatan Tahun 2015

Kabupaten/Kota	Y	X1	X2	X3	X4	X5	X6
Selayar	1	712	2088	1970	1922	1945	15712
Bulukumba	0	1685	6422	6640	6506	6379	71063
Bantaeng	0	976	3286	3373	3182	3464	33002
Jeneponto	1	1357	6041	5847	5865	5402	39295
Takalar	2	3052	6430	5571	5140	5465	51445
Gowa	0	3034	12124	13206	13732	13676	109331
Sinjai	0	1584	4020	4297	4117	4138	35750
Maros	2	1782	4836	6592	6994	6587	23165
Pangkep	0	1847	5585	5701	5842	5616	27543
Barru	1	1579	2948	3188	3265	3321	18381
Bone	2	5822	13183	13540	13204	13355	116303
Soppeng	2	1054	3090	3195	3120	3125	43343
Wajo	2	1944	6889	7253	7124	7041	71171
Sidrap	0	2347	4563	5078	4843	4884	23599
Pinrang	1	3568	8491	7893	7725	7532	52383
Enrekang	2	2236	2955	3611	3707	3579	31600
Luwu	1	1915	7139	7011	6886	6690	40418
Tana Toraja	1	1073	4210	4276	4275	4102	21512
Luwu Utara	0	3914	4579	5494	5064	5082	1925
Luwu Timur	0	1929	5527	5733	5623	5811	37229
Toraja Utara	2	1829	3219	4301	4234	4617	24967
Makassar	1	10723	24969	25229	25376	25221	228041
Pare-pare	2	2024	2556	2967	2635	2486	21343
Palopo	2	683	2772	3051	3078	3020	24950

Lampiran 2. Uji Multikolinearitas dengan SPSS 23

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	1,412	,418		3,376	,004		
	Asi_X1	,000	,000	1,038	1,396	,181	,083	12,075
	HepatitisB_X2	,000	,000	-2,126	-,860	,402	,008	133,279
	BCG_X3	,000	,002	-2,013	-,213	,834	,001	1943,334
	Polio_X4	,001	,001	7,239	,904	,379	,001	1401,609
	Campak_X5	-,001	,001	-5,651	-,908	,376	,001	845,468
	Sanitasi_X6	2,921E-5	,000	1,602	1,911	,073	,065	15,351

a. Dependent Variable: GiziBuruk_Y

Lampiran 3. Sintaks Program dan Output Regresi Logistik Ordinal dengan *software* R 3.3.2

```
> library(foreign)
> library(ordinal)
> data=file.choose("Gizi Buruk 2015.sav")
> gb=read.spss(data,to.data.frame=TRUE)
> giziFit<-
clm(GiziBuruk_Y~Asi_X1+HepatitisB_X2+BCG_X3+Polio_X4+Campak_X5+Sanitasi
_X6,link="logit",data=gb)
> summary(giziFit)
formula:
GiziBuruk_Y ~ Asi_X1 + HepatitisB_X2 + BCG_X3 + Polio_X4 + Campak_X5 +
Sanitasi_X6
data:    gb

 link  threshold  nobs  logLik   AIC     niter   max.grad   cond.H
 logit flexible    24    -23.18  62.36   4(0)     8.88e-08   6.5e+10

Coefficients:
                 Estimate     Std. Error    z value   Pr(>|z|)
Asi_X1           1.021e-03    7.294e-04     1.400     0.1615
HepatitisB_X2   -1.053e-03    1.005e-03    -1.047     0.2950
BCG_X3          -9.999e-05    3.746e-03    -0.027     0.9787
Polio_X4         3.292e-03    3.310e-03     0.994     0.3200
Campak_X5       -3.342e-03    2.635e-03    -1.268    0.2047
Sanitasi_X6      7.934e-05     3.972e-05     1.997     0.0458 *

Threshold coefficients:
                                Estimate    Std. Error    z value
Tinggi(9-50)|Sedang(5-8)        -1.8929     1.0136        -1.867
Sedang(5-8)|Rendah(0-4)         -0.4342     0.9516        -0.456
```

Lampiran 4. Sintaks Program dan Output dengan metode *LASSO software* R 3.3.2

```
> library(lars)
> data<-read.table("D:/Gizi Buruk 2015.txt",header=TRUE)
> y=as.matrix(data[,1])
> x=as.matrix(data[,2:7])
> lasso=lars(x,y,type="lasso")
> lasso
Call:
lars(x = x, y = y, type = "lasso")
R-squared: 0.222
Sequence of LASSO moves:
     HepatitisB_X2 Sanitasi_X6 Asi_X1 Campak_X5 Polio_X4 BCG_X3
Var              2           6       1         5        4      3
Step             1           2       3         4        5      6
> coef(lasso)
        Asi_X1       HepatitisB_X2      BCG_X3       Polio_X4      Campak_X5
[1,]  0.0000000000  0.000000e+00  0.0000000000  0.0000000000  0.0000000000
[2,]  0.0000000000  3.923205e-06  0.0000000000  0.0000000000  0.0000000000
[3,]  0.0000000000  1.531111e-05  0.0000000000  0.0000000000  0.0000000000
[4,] -0.0001480298  1.842700e-04  0.0000000000  0.0000000000  0.0000000000
[5,] -0.0002625332  2.975676e-04  0.0000000000  0.0000000000  0.0000176982
[6,] -0.0003591128  4.031246e-04  0.0000000000 -0.0008193752  0.0008306234
[7,] -0.0004241784  3.733822e-04  0.0003525302 -0.0012509336  0.0009823889
      Sanitasi_X6
[1,]  0.000000e+00
[2,]  0.000000e+00
[3,] -1.182236e-06
[4,] -1.274689e-05
[5,] -2.172876e-05
[6,] -2.776849e-05
[7,] -2.921148e-05
```

Lampiran 4. Nilai untuk Setiap Tahapan Metode *LASSO*

Tahapan	$\|X_1\|$	$\|X_2\|$	$\|X_3\|$	$\|X_4\|$	$\|X_5\|$
1	0	0	0	0	0
2	0	3,9232E-06	0	0	0
3	0	1,5311E-05	0	0	0
4	0,000148	0,000184	0	0	0
5	0,000263	0,000298	0	0	1,7698E-05
6	0,000359	0,000403	0	0,000819	0,000831
7	0,000424	0,000373	0,000353	0,001251	0,000982

Tahapan	$\|X_6\|$	$\sum\|\hat{\beta}_j\|$	$\sum\|\hat{\beta}_j\| \,/\, max \sum\|\hat{\beta}_j\|$
1	0	0	0
2	0	3,9232E-06	0,00115
3	1,1822E-06	1,6493E-05	0,004833
4	1,2747E-05	0,000345	0,101109
5	2,1729E-05	0,0006	0,175679
6	2,7769E-05	0,00244	0,714993
7	2,9212E-05	0,003413	1