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## LAMPIRAN

### Lampiran 1 General Linear Model: DATA Metode Circular versus GULMA

#### Method

Factor coding (-1; 0; +1)

#### Factor Information

Factor	Type	Levels Values
GULMA	Fixed	12 Cynodon dactylon; Cyperus bervifolius; Cyperus iria; Echinochloa colanum; Echinochloa crus-galli; Eleusine indica; Fimbristylis miliacea; Imperata cylindrica; Ludwigia hyssopifolia; Panicum repens; Paspalum conjugatum Bergrn; Sphenochlea zeylanica

#### Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
GULMA	11	13981	1271,0	2,96	0,002
Error	84	36019	428,8		
Total	95	50001			

#### Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
20,7075	27,96%	18,53%	5,91%

#### Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	49,35	2,11	23,35	0,000	
GULMA					
Cynodon dactylon	9,82	7,01	1,40	0,165	1,83
Cyperus bervifolius	-9,53	7,01	-1,36	0,178	1,83
Cyperus iria	-2,74	7,01	-0,39	0,696	1,83
Echinochloa colanum	15,14	7,01	2,16	0,034	1,83
Echinochloa crus-galli	-10,01	7,01	-1,43	0,157	1,83
Eleusine indica	-7,82	7,01	-1,12	0,268	1,83
Fimbristylis miliacea	-13,55	7,01	-1,93	0,057	1,83
Imperata cylindrica	4,26	7,01	0,61	0,545	1,83
Ludwigia hyssopifolia	16,20	7,01	2,31	0,023	1,83
Panicum repens	20,28	7,01	2,89	0,005	1,83
Paspalum conjugatum Bergrn	-6,31	7,01	-0,90	0,370	1,83

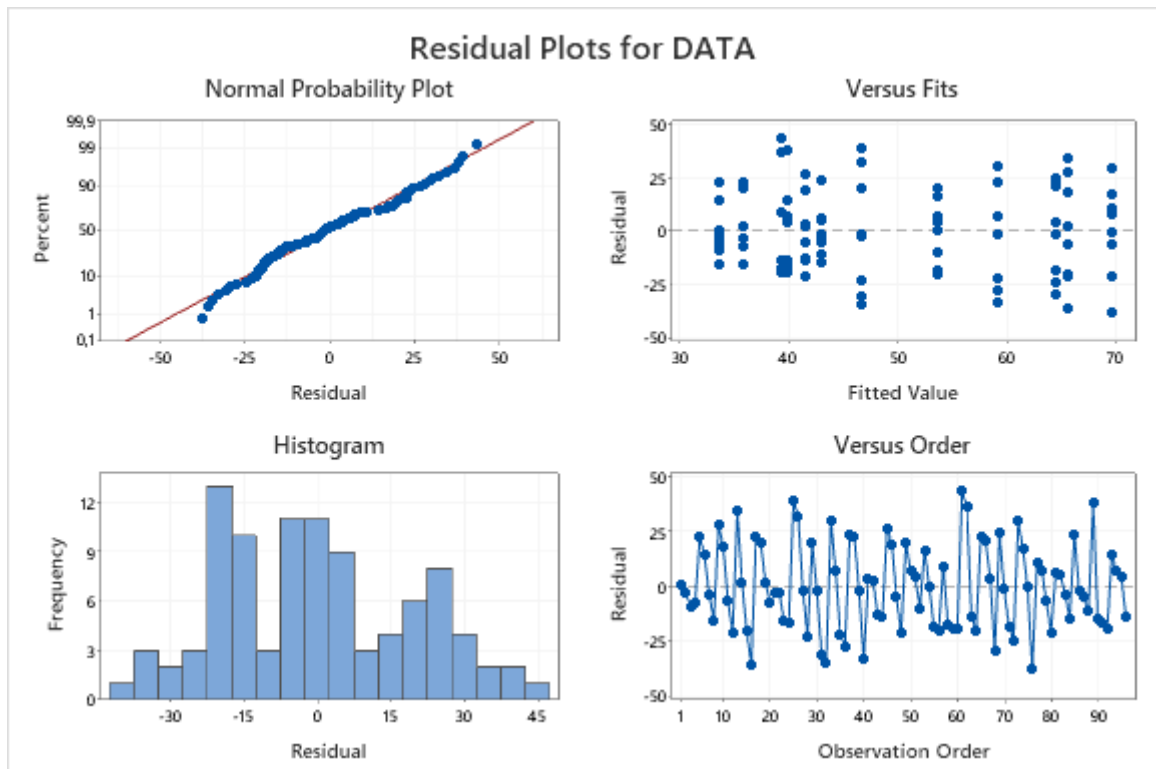
#### Regression Equation

DATA = 49,35 + 9,82 GULMA\_Cynodon dactylon - 9,53 GULMA\_Cyperus bervifolius - 2,74 GULMA\_Cyperus iria + 15,14 GULMA\_Echinochloa colanum - 10,01 GULMA\_Echinochloa crus-galli - 7,82 GULMA\_Eleusine indica - 13,55 GULMA\_Fimbristylis miliacea + 4,26 GULMA\_Imperata cylindrica + 16,20 GULMA\_Ludwigia hyssopifolia + 20,28 GULMA\_Panicum repens - 6,31 GULMA\_Paspalum conjugatum Bergrn - 15,72 GULMA\_Sphenochlea zeylanica

#### Fits and Diagnostics for Unusual Observations

Obs	DATA	Fit	Resid	Std Resid
25	85,80	46,61	39,19	2,02 R
61	82,80	39,34	43,45	2,24 R

R Large residual



## Lampiran 2 Data RAKTLS Parsial menggunakan Skema Circular

NO	JENIS GULMA	PERLAKUAN	KELOMPOK	DATA	RESI
1	A	1	5	34,54	0,91
2	A	1	6	30,88	-2,75
3	A	1	7	24,49	-9,14
4	A	1	8	26,62	-7,01
5	A	1	9	56,44	22,81
6	A	1	10	47,90	14,27
7	A	1	11	29,65	-3,98
8	A	1	12	18,52	-15,11
9	B	2	5	93,43	27,88
10	B	2	6	84,27	18,72
11	B	2	7	59,03	-6,52
12	B	2	8	44,57	-20,98
13	B	2	9	100,00	34,45
14	B	2	10	67,82	2,27
15	B	2	11	45,74	-19,81
16	B	2	12	29,54	-36,01
17	C	3	5	58,74	22,93
18	C	3	6	55,90	20,09
19	C	3	7	37,83	2,02
20	C	3	8	28,49	-7,32
21	C	3	9	32,89	-2,92
22	C	3	10	32,85	-2,96
23	C	3	11	19,98	-15,83
24	C	3	12	19,78	-16,03
25	D	4	5	85,80	39,19
26	D	4	6	78,62	32,01
27	D	4	7	45,16	-1,45
28	D	4	8	23,94	-22,67
29	D	4	9	66,50	19,89
30	D	4	10	44,68	-1,93
31	D	4	11	15,95	-30,66
32	D	4	12	12,23	-34,38
33	E	5	1	89,45	30,28
34	E	5	2	66,49	7,31
35	E	5	3	37,34	-21,83
36	E	5	4	31,70	-27,47
37	E	5	9	82,56	23,38
38	E	5	10	81,94	22,77
39	E	5	11	57,69	-1,49
40	E	5	12	26,24	-32,94
41	F	6	1	45,17	3,63
42	F	6	2	43,96	2,42
43	F	6	3	28,62	-12,92
44	F	6	4	28,08	-13,45
45	F	6	9	68,47	26,94
46	F	6	10	61,13	19,59
47	F	6	11	36,65	-4,89
48	F	6	12	20,21	-21,33
49	G	7	1	73,87	20,25
50	G	7	2	60,66	7,04
51	G	7	3	57,75	4,13
52	G	7	4	43,98	-9,63
53	G	7	9	70,26	16,65
54	G	7	10	53,70	0,09
55	G	7	11	34,93	-18,68
56	G	7	12	33,78	-19,84
57	H	8	1	48,64	9,29
58	H	8	2	21,59	-17,75
59	H	8	3	20,15	-19,20
60	H	8	4	20,05	-19,29
61	H	8	9	82,80	43,45
62	H	8	10	76,03	36,69
63	H	8	11	25,92	-13,43
64	H	8	12	19,58	-19,77
65	I	9	1	87,33	22,84
66	I	9	2	85,90	21,41
67	I	9	3	68,52	4,03
68	I	9	4	35,08	-29,41
69	I	9	5	88,99	24,49
70	I	9	6	63,44	-1,05
71	I	9	7	46,46	-18,03
72	I	9	8	40,22	-24,27
73	J	10	1	99,49	29,85
74	J	10	2	87,10	17,47
75	J	10	3	69,24	-0,39
76	J	10	4	31,81	-37,83
77	J	10	5	80,42	10,78
78	J	10	6	77,25	7,61
79	J	10	7	63,14	-6,50
80	J	10	8	48,63	-21,00
81	K	11	1	49,08	6,04
82	K	11	2	48,61	5,57
83	K	11	3	39,81	-3,23
84	K	11	4	28,73	-14,31
85	K	11	5	66,97	23,93
86	K	11	6	41,19	-1,85
87	K	11	7	38,05	-4,99
88	K	11	8	31,88	-11,16
89	L	12	1	77,82	38,00
90	L	12	2	25,11	-14,71
91	L	12	3	23,03	-16,80
92	L	12	4	20,50	-19,32
93	L	12	5	54,62	14,79
94	L	12	6	47,04	7,22
95	L	12	7	44,33	4,51
96	L	12	8	26,14	-13,69

## Lampiran 3 General Linear Model: DATA Metode Right Angular versus GULMA

### Method

Factor coding (-1; 0; +1)

### Factor Information

Factor	Type	Levels Values
GULMA	Fixed	12 Cynodon dactylon; Cyperus bervifolius; Cyperus iria; Echinochloa colanum; Echinochloa crus-galli; Eleusine indica; Fimbristylis miliacea; Imperata cylindrica; Ludwigia hyssopifolia; Panicum repens; Paspalum conjugatum Bergrn; Sphenochlea zeylanica

### Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
GULMA	11	8246	749,7	1,42	0,178
Error	84	44232	526,6		
Total	95	52479			

### Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
22,9472	15,71%	4,68%	0,00%

### Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	53,34	2,34	22,78	0,000	
GULMA					
Cynodon dactylon	10,87	7,77	1,40	0,165	1,83
Cyperus bervifolius	-4,33	7,77	-0,56	0,579	1,83
Cyperus iria	4,66	7,77	0,60	0,550	1,83
Echinochloa colanum	8,97	7,77	1,16	0,251	1,83
Echinochloa crus-galli	-8,67	7,77	-1,12	0,268	1,83
Eleusine indica	-11,49	7,77	-1,48	0,143	1,83
Fimbristylis miliacea	-8,03	7,77	-1,03	0,304	1,83
Imperata cylindrica	2,77	7,77	0,36	0,722	1,83
Ludwigia hyssopifolia	10,90	7,77	1,40	0,164	1,83
Panicum repens	13,27	7,77	1,71	0,091	1,83
Paspalum conjugatum Bergrn	-5,09	7,77	-0,65	0,514	1,83

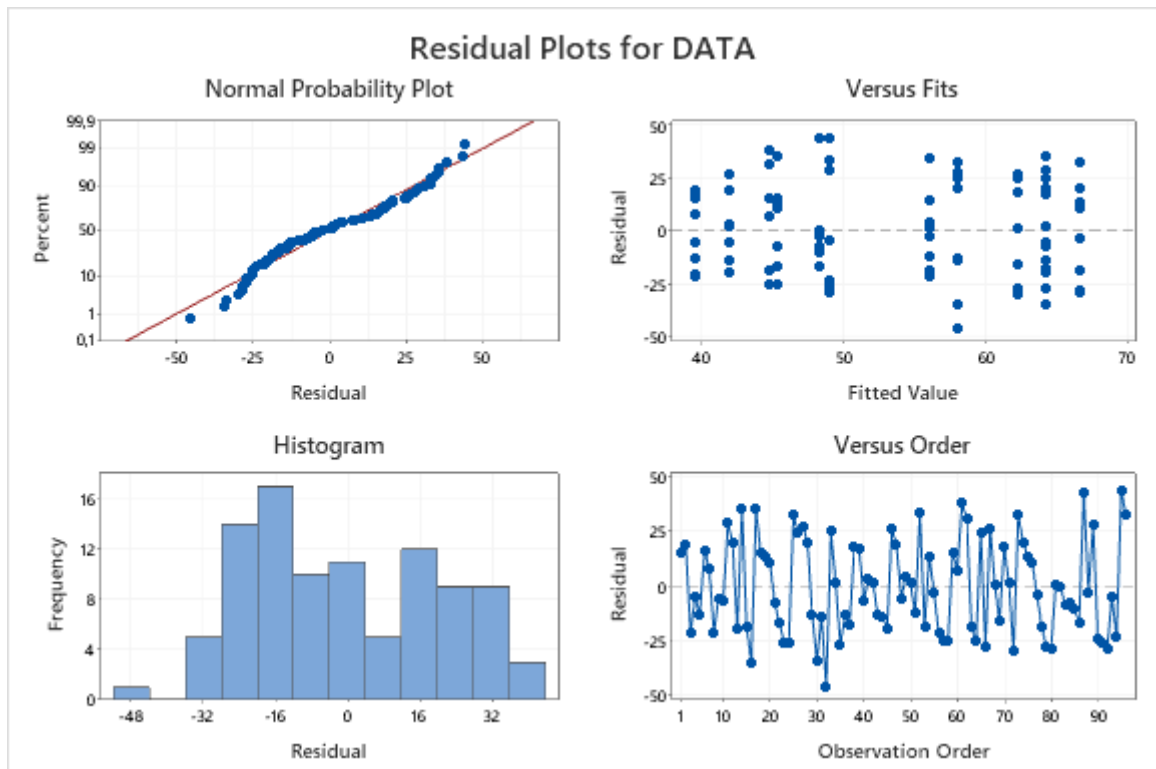
### Regression Equation

DATA = 53,34 + 10,87 GULMA\_Cynodon dactylon - 4,33 GULMA\_Cyperus bervifolius + 4,66 GULMA\_Cyperus iria + 8,97 GULMA\_Echinochloa colanum - 8,67 GULMA\_Echinochloa crus-galli - 11,49 GULMA\_Eleusine indica - 8,03 GULMA\_Fimbristylis miliacea + 2,77 GULMA\_Imperata cylindrica + 10,90 GULMA\_Ludwigia hyssopifolia + 13,27 GULMA\_Panicum repens - 5,09 GULMA\_Paspalum conjugatum Bergrn - 13,85 GULMA\_Sphenochlea zeylanica

### Fits and Diagnostics for Unusual Observations

Obs	DATA	Fit	Resid	Std Resid
32	12,23	58,00	-45,77	-2,13 R
87	91,77	48,26	43,52	2,03 R
95	92,91	49,01	43,90	2,05 R

R Large residual





## Lampiran 4 Data RAKTLS Parsial menggunakan Skema Right Angular

NO	JENIS GULMA	PERLAKUAN	KELOMPOK	DATA	RESI
1	A	1	5	54,74	0,41
2	A	1	6	58,39	0,65
3	A	1	7	18,81	-2,66
4	A	1	8	34,54	-1,12
5	A	1	9	26,62	-1,83
6	A	1	10	56,44	0,52
7	A	1	11	47,90	-0,07
8	A	1	12	18,52	-2,69
9	B	2	5	58,99	0,66
10	B	2	6	57,40	0,56
11	B	2	7	93,43	2,65
12	B	2	8	84,27	2,16
13	B	2	9	44,57	-0,34
14	B	2	10	100,00	2,98
15	B	2	11	45,74	-0,25
16	B	2	12	29,54	-1,58
17	C	3	5	80,69	1,95
18	C	3	6	61,11	0,78
19	C	3	7	58,74	0,63
20	C	3	8	55,90	0,44
21	C	3	9	37,83	-0,89
22	C	3	10	28,49	-1,70
23	C	3	11	19,98	-2,57
24	C	3	12	19,78	-2,59
25	D	4	5	90,91	2,47
26	D	4	6	82,65	2,03
27	D	4	7	85,80	2,20
28	D	4	8	78,62	1,81
29	D	4	9	45,16	-0,34
30	D	4	10	23,94	-2,17
31	D	4	11	44,68	-0,38
32	D	4	12	12,23	-3,56
33	E	5	1	89,45	2,38
34	E	5	2	66,49	1,07
35	E	5	3	37,34	-0,97
36	E	5	4	51,01	0,06
37	E	5	9	47,24	-0,21
38	E	5	10	82,56	2,00
39	E	5	11	81,94	1,97
40	E	5	12	57,69	0,51
41	F	6	1	45,17	-0,38
42	F	6	2	43,96	-0,47
43	F	6	3	28,62	-1,75
44	F	6	4	28,08	-1,80
45	F	6	9	22,78	-2,33
46	F	6	10	68,47	1,17
47	F	6	11	61,13	0,71
48	F	6	12	36,65	-1,05
49	G	7	1	60,66	0,66
50	G	7	2	57,75	0,47
51	G	7	3	43,98	-0,49
52	G	7	4	90,19	2,37
53	G	7	9	37,41	-1,01
54	G	7	10	70,26	1,26
55	G	7	11	53,70	0,20
56	G	7	12	34,93	-1,22
57	H	8	1	20,15	-2,66
58	H	8	2	20,05	-2,67
59	H	8	3	60,67	0,64
60	H	8	4	52,19	0,08
61	H	8	9	82,80	1,95
62	H	8	10	76,03	1,57
63	H	8	11	25,92	-2,06
64	H	8	12	19,58	-2,72
65	I	9	1	87,33	2,17
66	I	9	2	35,08	-1,25
67	I	9	3	88,99	2,26
68	I	9	4	63,44	0,79
69	I	9	5	46,46	-0,35
70	I	9	6	80,37	1,79
71	I	9	7	64,17	0,84
72	I	9	8	32,70	-1,45
73	J	10	1	99,49	2,78
74	J	10	2	87,10	2,14
75	J	10	3	80,42	1,78
76	J	10	4	77,25	1,60
77	J	10	5	63,14	0,75
78	J	10	6	48,63	-0,22
79	J	10	7	38,81	-0,96
80	J	10	8	38,05	-1,02
81	K	11	1	49,08	-0,21
82	K	11	2	48,61	-0,24
83	K	11	3	39,81	-0,90
84	K	11	4	41,19	-0,80
85	K	11	5	38,05	-1,05
86	K	11	6	31,88	-1,57
87	K	11	7	91,77	2,37
88	K	11	8	45,65	-0,46
89	L	12	1	77,82	1,59
90	L	12	2	25,11	-2,23
91	L	12	3	23,03	-2,44
92	L	12	4	20,50	-2,71
93	L	12	5	44,33	-0,58
94	L	12	6	26,14	-2,12
95	L	12	7	92,91	2,40
96	L	12	8	82,27	1,83