

LAMPIRAN D
ANALISIS DATA KEMAMPUAN KOMUNIKASI MATEMATIK DAN *SELF*
REGULATED LEARNING
HASIL PENELITIAN

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Lampiran D.1

Data Skala *Self Regulated Learning* Siswa Kelas Eksperimen

No	kode	Uji coba	No Angket																														Jumlah Total
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	E-1	posttest	3	3	3	2	3	3	3	3	3	3	3	4	3	3	3	4	3	3	4	3	4	3	4	4	3	4	4	4	4	4	99
2	E-2	posttest	4	3	3	4	4	4	4	3	4	4	3	4	4	4	4	4	3	4	3	4	3	4	4	4	3	4	3	4	4	4	111
3	E-3	posttest	4	3	3	4	4	3	4	4	4	3	4	3	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	113
4	E-4	posttest	4	3	3	3	3	3	4	3	4	3	3	3	3	3	3	2	3	3	3	4	3	4	4	4	3	4	3	4	4	4	100
5	E-5	posttest	2	4	2	4	4	4	4	2	2	4	3	4	4	4	4	3	4	4	2	4	4	4	4	4	2	4	4	4	4	4	106
6	E-6	posttest	3	3	3	3	4	4	3	3	3	4	3	3	3	4	3	4	3	4	3	4	3	4	4	4	3	4	3	4	4	4	104
7	E-7	posttest	3	4	4	3	3	3	3	3	3	3	3	4	3	3	3	3	4	3	4	3	3	3	3	4	3	4	3	4	2	3	97
8	E-8	posttest	4	3	3	3	3	4	4	4	3	3	3	4	4	3	3	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	106
9	E-9	posttest	3	3	3	3	3	3	3	3	2	3	2	3	3	3	4	3	3	4	3	2	3	3	3	4	3	2	3	3	3	4	90
10	E-10	posttest	3	3	3	4	3	3	3	4	4	3	2	3	3	3	3	3	3	3	3	4	3	3	3	4	3	4	3	3	3	4	96
11	E-11	posttest	4	3	2	4	4	3	3	2	4	4	4	4	4	1	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	107
12	E-12	posttest	3	3	4	4	3	3	4	4	4	4	3	4	3	2	3	4	3	3	4	3	4	3	3	3	4	3	4	3	3	3	101
13	E-13	posttest	4	3	3	4	4	3	4	4	3	3	3	3	4	3	4	3	3	3	4	3	3	3	3	3	3	3	4	4	4	4	102
14	E-14	posttest	4	3	3	3	3	4	3	3	4	4	3	3	4	3	4	4	4	4	3	3	4	3	3	4	3	3	4	3	3	4	103
15	E-15	posttest	3	4	3	4	4	4	3	4	3	3	4	4	4	4	3	3	4	3	3	4	3	4	4	4	3	4	3	4	4	4	108
16	E-16	posttest	3	3	4	3	3	3	3	4	3	3	4	3	3	3	4	3	4	4	3	3	3	3	4	3	3	3	3	3	4	3	98
17	E-17	posttest	4	4	4	4	4	3	3	3	3	4	3	4	4	1	4	3	3	3	3	4	3	4	4	4	3	4	3	4	4	4	105
18	E-18	posttest	3	3	3	4	4	4	4	4	4	4	3	3	3	4	3	3	4	3	3	4	3	4	4	3	3	4	3	3	3	3	103
19	E-19	posttest	3	4	3	3	4	4	3	4	3	3	3	4	3	3	3	3	4	4	3	4	3	4	3	4	3	4	3	4	3	4	103
20	E-20	posttest	3	3	3	3	3	4	4	3	4	3	3	3	3	3	4	3	3	4	3	3	3	3	3	4	3	3	3	3	3	4	97
21	E-21	posttest	4	3	3	4	3	3	3	3	3	3	2	3	4	3	4	4	3	3	3	4	3	4	4	4	3	4	3	4	4	4	102
22	E-22	posttest	3	3	4	3	3	3	3	4	2	3	4	3	3	4	3	3	3	3	4	3	3	3	3	3	4	3	3	3	3	3	95

23	E-23	postest	4	3	3	3	4	3	3	3	4	4	4	4	2	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	110		
24	E-24	postest	3	3	4	3	2	3	2	3	2	3	3	3	4	3	2	4	4	3	3	2	4	4	4	3	3	2	4	4	4	94		
25	E-25	postest	3	3	4	3	3	4	3	3	3	3	3	4	3	2	3	4	3	3	3	4	3	3	3	2	3	2	3	3	3	92		
26	E-26	postest	3	3	4	4	3	4	3	4	4	4	3	4	4	2	4	4	4	4	4	4	4	4	3	2	4	3	4	4	3	108		
27	E-27	postest	3	3	3	3	3	3	3	3	3	2	3	2	3	3	3	4	3	3	4	3	4	3	3	3	4	3	2	3	3	4	92	
28	E-28	postest	3	3	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	3	3	4	4	105
29	E-29	postest	3	3	2	2	4	3	4	3	1	2	1	4	2	3	3	4	3	4	2	4	3	4	4	2	2	4	3	4	4	2	89	
30	E-30	postest	4	4	4	3	3	3	3	3	3	2	2	3	3	3	3	4	3	3	3	2	3	4	4	4	3	2	3	4	4	4	96	
31	E-31	postest	3	4	2	3	3	4	2	2	3	3	2	4	3	3	3	4	3	3	3	3	3	4	2	4	3	3	3	4	2	4	92	
32	E-32	postest	3	3	3	3	3	3	3	3	2	3	4	3	3	4	4	4	3	4	3	2	4	4	3	4	3	4	3	3	3	4	98	
33	E-33	postest	4	4	4	3	3	3	3	3	3	2	2	3	3	3	3	4	3	3	3	2	3	4	4	4	3	2	3	4	4	4	96	
34	E-34	postest	4	3	4	3	4	3	4	3	3	4	3	4	3	3	4	3	4	4	4	4	3	4	3	4	4	4	3	4	3	4	107	
35	E-35	postest	3	3	4	4	4	3	4	4	4	3	4	3	3	3	4	3	3	4	3	4	3	3	3	4	3	3	3	3	3	4	102	
36	E-36	postest	4	4	4	3	3	3	3	3	3	4	4	3	3	3	3	4	3	3	4	4	4	4	4	3	4	4	3	4	4	3	105	

Lampiran D.2

Transformasi Skala Self Regulated Learning

N o	Kod e	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Tot al
1	E -1	2.8	1.0	2.3	1.0	2.7	1.0	2.6	2.5	3.1	2.4	3.2	2.8	4.0	2.8	2.6	2.8	2.6	1.0	2.7	3.3	2.8	2.6	2.5	3.7	3.9	2.1	4.1	2.6	3.7	3.7	80.9
2	E -2	4.3	1.0	2.3	4.0	4.3	2.6	4.1	2.5	4.4	3.8	3.2	4.3	4.0	4.3	4.1	4.2	1.0	2.6	2.7	3.3	2.8	2.6	4.0	3.7	2.5	3.5	2.6	2.6	3.7	3.7	98.7
3	E -3	4.3	1.0	2.3	4.0	4.3	1.0	4.1	3.9	4.4	2.4	4.6	2.8	4.0	2.8	4.1	4.2	2.6	1.0	4.2	3.3	4.4	2.6	4.0	3.7	3.9	3.5	4.1	2.6	3.7	3.7	101.5
4	E -4	4.3	1.0	2.3	2.5	2.7	1.0	4.1	2.5	4.4	2.4	3.2	2.8	2.5	2.8	2.6	1.7	1.0	1.0	2.7	3.3	2.8	2.6	4.0	3.7	2.5	3.5	2.6	2.6	3.7	3.7	82.5
5	E -5	1.0	2.7	1.0	4.0	4.3	2.6	4.1	1.0	2.0	3.8	3.2	4.3	4.0	4.3	4.1	2.8	2.6	2.6	1.0	3.3	4.4	2.6	4.0	3.7	1.0	3.5	4.1	2.6	3.7	3.7	92.0
6	E -6	2.8	1.0	2.3	2.5	4.3	2.6	2.6	2.5	3.1	3.8	3.2	2.8	2.5	4.3	2.6	4.2	1.0	2.6	2.7	3.3	2.8	2.6	4.0	3.7	2.5	3.5	2.6	2.6	3.7	3.7	88.3
7	E -7	2.8	2.7	3.7	2.5	2.7	1.0	2.6	2.5	3.1	2.4	3.2	2.8	4.0	2.8	2.6	2.8	1.0	2.6	2.7	3.3	2.8	1.0	2.5	3.7	2.5	3.5	2.6	2.6	1.0	2.1	78.1
8	E -8	4.3	1.0	2.3	2.5	2.7	2.6	4.1	3.9	3.1	2.4	3.2	4.3	4.0	2.8	2.6	2.8	1.0	1.0	2.7	3.3	4.4	2.6	4.0	3.7	2.5	3.5	4.1	2.6	3.7	3.7	91.5
9	E -9	2.8	1.0	2.3	2.5	2.7	1.0	2.6	2.5	2.0	2.4	2.0	2.8	2.5	2.8	4.1	2.8	1.0	2.6	2.7	1.0	2.8	1.0	2.5	3.7	2.5	1.0	2.6	1.0	2.3	3.7	69.1
10	E -10	2.8	1.0	2.3	4.0	2.7	1.0	2.6	3.9	4.4	2.4	2.0	2.8	2.5	2.8	2.6	2.8	1.0	1.0	2.7	3.3	2.8	1.0	2.5	3.7	2.5	3.5	2.6	1.0	2.3	3.7	76.2
11	E -11	4.3	1.0	1.0	4.0	4.3	1.0	2.6	1.0	4.4	3.8	4.6	4.3	4.0	1.0	4.1	1.0	2.6	2.6	4.2	3.3	4.4	2.6	4.0	3.7	3.9	3.5	4.1	2.6	3.7	3.7	95.3
12	E -12	2.8	1.0	3.7	4.0	2.7	1.0	4.1	3.9	4.4	3.8	3.2	4.3	2.5	1.6	2.6	4.2	1.0	1.0	4.2	2.0	4.4	1.0	2.5	2.2	3.9	2.1	4.1	1.0	2.3	2.1	83.6
13	E -13	4.3	1.0	2.3	4.0	4.3	1.0	4.1	3.9	3.1	2.4	3.2	2.8	4.0	2.8	4.1	2.8	1.0	1.0	4.2	2.0	2.8	1.0	2.5	2.2	2.5	2.1	4.1	2.6	3.7	3.7	85.4
14	E -14	4.3	1.0	2.3	2.5	2.7	2.6	2.6	2.5	4.4	3.8	3.2	2.8	4.0	2.8	4.1	4.2	2.6	2.6	2.7	2.0	4.4	1.0	2.5	3.7	2.5	2.1	4.1	1.0	2.3	3.7	87.0
15	E -15	2.8	2.7	2.3	4.0	4.3	2.6	2.6	3.9	3.1	2.4	4.6	4.3	4.0	4.3	2.6	2.8	2.6	1.0	2.7	3.3	2.8	2.6	4.0	3.7	2.5	3.5	2.6	2.6	3.7	3.7	94.5
16	E -16	2.8	1.0	3.7	2.5	2.7	1.0	2.6	3.9	3.1	2.4	4.6	2.8	2.5	2.8	4.1	2.8	2.6	2.6	2.7	2.0	2.8	1.0	4.0	2.2	2.5	2.1	2.6	1.0	3.7	2.1	79.1
17	E -17	4.3	2.7	3.7	4.0	4.3	1.0	2.6	2.5	3.1	3.8	3.2	4.3	4.0	1.0	4.1	2.8	1.0	1.0	2.7	3.3	2.8	2.6	4.0	3.7	2.5	3.5	2.6	2.6	3.7	3.7	91.1
18	E -18	2.8	1.0	2.3	4.0	4.3	2.6	4.1	3.9	4.4	3.8	3.2	2.8	2.5	4.3	2.6	2.8	2.6	1.0	2.7	3.3	2.8	2.6	4.0	2.2	2.5	3.5	2.6	1.0	2.3	2.1	86.5
19	E -19	2.8	2.7	2.3	2.5	4.3	2.6	2.6	3.9	3.1	2.4	3.2	4.3	2.5	2.8	2.6	2.8	2.6	2.6	2.7	3.3	2.8	2.6	2.5	3.7	2.5	3.5	2.6	2.6	2.3	3.7	87.4
20	E -20	2.8	1.0	2.3	2.5	2.7	2.6	4.1	2.5	4.4	2.4	3.2	2.8	2.5	2.8	4.1	2.8	1.0	2.6	2.7	2.0	2.8	1.0	2.5	3.7	2.5	2.1	2.6	1.0	2.3	3.7	78.0

21	E - 21	4.3	1.0	2.3	4.0	2.7	1.0	2.6	2.5	3.1	2.4	2.0	2.8	4.0	2.8	4.1	4.2	1.0	1.0	2.7	3.3	2.8	2.6	4.0	3.7	2.5	3.5	2.6	2.6	3.7	3.7	85.5
22	E - 22	2.8	1.0	3.7	2.5	2.7	1.0	2.6	3.9	2.0	2.4	4.6	2.8	2.5	4.3	2.6	2.8	1.0	1.0	4.2	2.0	2.8	1.0	2.5	2.2	3.9	2.1	2.6	1.0	2.3	2.1	74.9
23	E - 23	4.3	1.0	2.3	2.5	4.3	1.0	2.6	2.5	4.4	3.8	4.6	4.3	1.0	2.8	4.1	4.2	2.6	1.0	4.2	3.3	4.4	2.6	4.0	3.7	3.9	3.5	4.1	2.6	3.7	3.7	97.1
24	E - 24	2.8	1.0	3.7	2.5	1.0	1.0	1.0	2.5	2.0	2.4	3.2	2.8	2.5	4.3	2.6	1.7	2.6	2.6	2.7	2.0	1.0	2.6	4.0	3.7	2.5	2.1	1.0	2.6	3.7	3.7	73.8
25	E - 25	2.8	1.0	3.7	2.5	2.7	2.6	2.6	2.5	3.1	2.4	3.2	2.8	4.0	2.8	1.0	2.8	2.6	1.0	2.7	2.0	4.4	1.0	2.5	2.2	1.0	2.1	1.0	1.0	2.3	2.1	70.3
26	E - 26	2.8	1.0	3.7	4.0	2.7	2.6	2.6	3.9	4.4	3.8	3.2	4.3	4.0	1.6	4.1	4.2	2.6	2.6	4.2	3.3	4.4	2.6	4.0	2.2	1.0	3.5	2.6	2.6	3.7	2.1	94.4
27	E - 27	2.8	1.0	2.3	2.5	2.7	1.0	2.6	2.5	3.1	1.0	3.2	1.0	2.5	2.8	2.6	4.2	1.0	1.0	4.2	2.0	4.4	1.0	2.5	2.2	3.9	2.1	1.0	1.0	2.3	3.7	70.1
28	E - 28	2.8	1.0	3.7	2.5	2.7	1.0	2.6	2.5	3.1	2.4	3.2	2.8	2.5	4.3	4.1	4.2	2.6	2.6	4.2	3.3	4.4	1.0	4.0	3.7	3.9	3.5	2.6	1.0	3.7	3.7	89.6
29	E - 29	2.8	1.0	1.0	1.0	4.3	1.0	4.1	2.5	1.0	1.0	1.0	4.3	1.0	2.8	2.6	4.2	1.0	2.6	1.0	3.3	2.8	2.6	4.0	1.0	1.0	3.5	2.6	2.6	3.7	1.0	68.2
30	E - 30	4.3	2.7	3.7	2.5	2.7	1.0	2.6	2.5	3.1	1.0	2.0	2.8	2.5	2.8	2.6	4.2	1.0	1.0	2.7	1.0	2.8	2.6	4.0	3.7	2.5	1.0	2.6	2.6	3.7	3.7	77.9
31	E - 31	2.8	2.7	1.0	2.5	2.7	2.6	1.0	1.0	3.1	2.4	2.0	4.3	2.5	2.8	2.6	4.2	1.0	1.0	2.7	2.0	2.8	2.6	1.0	3.7	2.5	2.1	2.6	2.6	1.0	3.7	71.6
32	E - 32	2.8	1.0	2.3	2.5	2.7	1.0	2.6	2.5	2.0	2.4	4.6	2.8	2.5	4.3	4.1	4.2	1.0	2.6	2.7	1.0	4.4	2.6	2.5	3.7	2.5	3.5	2.6	1.0	2.3	3.7	80.2
33	E - 33	4.3	2.7	3.7	2.5	2.7	1.0	2.6	2.5	3.1	1.0	2.0	2.8	2.5	2.8	2.6	4.2	1.0	1.0	2.7	1.0	2.8	2.6	4.0	3.7	2.5	1.0	2.6	2.6	3.7	3.7	77.9
34	E - 34	4.3	1.0	3.7	2.5	4.3	1.0	4.1	2.5	3.1	3.8	3.2	4.3	2.5	2.8	4.1	2.8	2.6	2.6	4.2	3.3	2.8	2.6	2.5	3.7	3.9	3.5	2.6	2.6	2.3	3.7	93.0
35	E - 35	2.8	1.0	3.7	4.0	4.3	1.0	4.1	3.9	4.4	2.4	4.6	2.8	2.5	2.8	4.1	2.8	1.0	2.6	2.7	3.3	2.8	1.0	2.5	3.7	2.5	2.1	2.6	1.0	2.3	3.7	84.9
36	E - 36	4.3	1.0	2.3	4.0	4.3	1.0	4.1	3.9	3.1	2.4	3.2	2.8	4.0	2.8	4.1	2.8	1.0	1.0	4.2	2.0	2.8	1.0	2.5	2.2	2.5	2.1	4.1	2.6	3.7	3.7	85.4

Lampiran D.3

Data Skor Total Kemampuan Komunikasi Matematik dan *Self Regulated*

Learning Siswa Kelas Eksperimen

No	Nama	(POSTTEST) KME	SRLE	SRLE Konversi
1	E1	80	99	80.93
2	E2	90	111	98.68
3	E3	93	113	101.50
4	E4	84	100	82.55
5	E5	83	106	92.02
6	E6	90	104	88.35
7	E7	78	97	78.08
8	E8	88	106	91.49
9	E9	73	90	69.09
10	E10	77	96	76.16
11	E11	85	107	95.32
12	E12	85	101	83.64
13	E13	83	102	85.44
14	E14	83	103	86.97
15	E15	88	108	94.55
16	E16	75	98	79.14
17	E17	85	105	91.08
18	E18	80	103	86.48
19	E19	85	103	87.44
20	E20	73	97	77.98
21	E21	83	102	85.50
22	E22	77	95	74.85
23	E23	85	110	97.06
24	E24	78	94	73.77
25	E25	78	92	70.28
26	E26	86	108	94.37
27	E27	78	92	70.09
28	E28	83	105	89.57
29	E29	79	89	68.24
30	E30	75	96	77.89
31	E31	78	92	71.62
32	E32	75	98	80.22
33	E33	80	96	77.89
34	E34	88	107	92.97
35	E35	80	102	84.86
36	E36	85	105	85.44

Lampiran D.4

Pengolahan Data dan Uji Statistik Kemampuan Komunikasi Matematik dan Self Regulated Learning Siswa Kelas Eksperimen

1. Statistik Deskriptif

Descriptives			Statistic	Std. Error
SRLE	Mean		83.9306	1.49732
	95% Confidence Interval for Mean	Lower Bound	80.8908	
		Upper Bound	86.9703	
	5% Trimmed Mean		83.8753	
	Median		85.1500	
	Variance		80.711	
	Std. Deviation		8.98392	
	Minimum		68.20	
	Maximum		101.50	
	Range		33.30	
	Interquartile Range		13.50	
	Skewness		-.013	.393
	Kurtosis		-.863	.768
KME	Mean		81.9722	.85216
	95% Confidence Interval for Mean	Lower Bound	80.2423	
		Upper Bound	83.7022	
	5% Trimmed Mean		81.9321	
	Median		83.0000	
	Variance		26.142	
	Std. Deviation		5.11293	
	Minimum		73.00	
	Maximum		93.00	
	Range		20.00	
	Interquartile Range		7.00	
	Skewness		.101	.393
	Kurtosis		-.719	.768

2. Uji Normalitas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
SRLE	.075	36	.200*	.975	36	.584
KME	.122	36	.192	.971	36	.465

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

3. Uji Korelasi Pearson

Correlations

		KME	SRLE
KME	Pearson Correlation	1	.824**
	Sig. (2-tailed)		.000
	N	36	36
SRLE	Pearson Correlation	.824**	1
	Sig. (2-tailed)	.000	
	N	36	36

** . Correlation is significant at the 0.01 level (2-tailed).

4. Uji Rgresi

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.824 ^a	.678	.669	5.16871	2.811

a. Predictors: (Constant), KME

b. Dependent Variable: SRLE

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
1 Regression	1916.546	1	1916.546	71.739	.000 ^b
Residual	908.330	34	26.716		
Total	2824.876	35			

a. Dependent Variable: SRLE

b. Predictors: (Constant), KME

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B	
	B	Std. Error	Beta			Lower Bound	Upper Bound
1 (Constant)	-34.707	14.033		-2.473	.019	-63.226	-6.188
KME	1.447	.171	.824	8.470	.000	1.100	1.795

a. Dependent Variable: SRLE