

Lampiran 2. Data Nilai Siswa Serta Data Aktivitas Siswa Kelas Eksperimen dan Kelas Kontrol

Tabel 8. Data Nilai Siswa Kelas Eksperimen (VII_A)

No	Nama	Pretes	Postes	Skor Maksimal	N-Gain
1	Anggraeni	40	80	100	66.67
2	Ayu agustina	30	80	100	71.43
3	Dewa arya saputra	30	80	100	71.43
4	Dian kurniasih	50	100	100	100.00
5	Diana putri	50	90	100	80.00
6	Didi santoso	40	80	100	66.67
7	Diki arya pangestu	30	80	100	71.43
8	Evita anggraeni	40	80	100	66.67
9	Fais wijayanto	40	80	100	66.67
10	Fani della amalia	50	90	100	80.00
11	Gilang ferliansyah	20	70	100	62.50
12	Giyon septianto	30	80	100	71.43
13	Isnu joko	50	100	100	100.00
14	Kiki indra mawarni	40	80	100	66.67
15	Maria tri cantika	40	80	100	66.67
16	Melly ambar wati	50	90	100	80.00
17	Mia elia wati	20	80	100	75.00
18	Muhamad irfani	40	80	100	66.67
19	Muhamad rio F	40	80	100	66.67
20	Muhamad salman K	50	100	100	100.00
21	Natalia	50	90	100	80.00
22	Nikmatul izati	30	80	100	71.43
23	Nur korik khoiriyah	40	80	100	66.67
24	Puji rahayu	50	90	100	80.00
25	Rafi febriasyah	40	80	100	66.67
26	Rama dwi baskoro	50	90	100	80.00
27	Riki aditya famanda	30	70	100	57.14
28	Rizky yoga pratama	60	100	100	100.00
29	Samuel theo adika	30	80	100	71.43
30	Sapta nur safei	40	80	100	66.67
31	Sulis triutami	40	80	100	66.67
32	Susi yanti	40	80	100	66.67
33	Sri mega utami	40	90	100	83.33
34	Triana	40	80	100	66.67
35	Tuti rahayu	30	80	100	71.43
36	Yahanes rendi pratama	40	80	100	66.67
Jumlah		1430	3010	3600	2657.976
Rata-rata		39.72	83.61	100	73.83
Standar deviasi		9.10	7.62	0	11.05

Tabel 9. Data Nilai Siswa Kelas Kontrol (VII_C)

No	Nama	Pretes	Postes	Skor maksimal	N-gain
1	Adesh alvina D	40	80	100	66.67
2	Anindi dwi purwani	30	70	100	57.14
3	Anisa arsita	30	60	100	42.86
4	Bambang saputra	50	80	100	60.00
5	David kusworo	40	80	100	66.67
6	Deka suryani	30	70	100	57.14
7	Deni via ningsih	30	80	100	71.43
8	Desi permata sari	20	70	100	62.50
9	Desi puspita sari	40	80	100	66.67
10	Deri rifani	20	70	100	62.50
11	Diki pratama	30	80	100	71.43
12	Doni ferdiasyah	50	90	100	80.00
13	Dony arif permana	40	90	100	83.33
14	Edo erlangga	30	70	100	57.14
15	Edwin satria	40	80	100	66.67
16	Erna yuliana	30	70	100	57.14
17	Erni yuliani	40	80	100	66.67
18	Fitria yulia ningsih	50	90	100	80.00
19	Gloria eloina	40	80	100	66.67
20	Ida arista	50	100	100	100.00
21	Luki andriyanto	30	70	100	57.14
22	M. Acep	30	80	100	71.43
23	Hengki cahyono	30	80	100	71.43
24	Novita sari	40	70	100	50.00
25	Panji a. Restu	40	80	100	66.67
26	Putri oktavia lestari	50	90	100	80.00
27	Rizky haria sandy	30	70	100	57.14
28	Sejuk saputra	40	80	100	66.67
29	Sopian nisia astuti	20	70	100	62.50
30	Steveniko kriswandi	40	80	100	66.67
31	Triska yuliani	30	70	100	57.14
32	Vena suci anggita sari	40	90	100	83.33
33	Wahyu cahyono	30	80	100	71.43
34	Winda rohani	30	70	100	57.14
Jumlah		1210	2650	3400	2261.31
Rata-rata		35.59	77.94	100	66.51
Standar deviasi		8.60	8.45	0	10.98

Tabel 10. Analisis Butir Soal Kelompok Eksperimen (VII_A)

Pretes

No	Nama siswa	Aspek penguasaan materi									
		C1		C2			C3		C4		
		Skor per soal		Skor per soal			Skor per soal		Skor per soal		
		6	1	2	8	10	5	7	3	4	9
1	Anggraeni	0	1	0	0	1	0	1	0	0	1
2	Ayu agustina	1	0	1	0	1	0	0	1	0	0
3	Dewa arya saputra	1	0	1	0	0	0	1	0	0	0
4	Dian kurniasih	1	0	1	0	1	1	0	0	0	1
5	Diana putrid	0	1	0	1	0	1	0	0	1	1
6	Didi santoso	1	0	0	1	0	0	1	0	1	0
7	Diki arya pangestu	0	1	0	1	0	0	1	0	0	0
8	Evita anggraeni	1	0	1	0	0	1	0	1	0	0
9	Fais wijayanto	0	1	0	0	1	0	1	1	0	0
10	Fani della amalia	1	0	1	0	1	0	0	1	0	1
11	Gilang ferliansyah	0	1	0	1	0	0	0	0	0	0
12	Giyon septianto	0	1	1	0	0	1	0	0	0	0
13	Isnu joko	1	0	0	0	1	1	0	1	1	0
14	Kiki indra mawarni	1	0	1	0	0	0	1	0	1	0
15	Maria tri cantika	0	1	0	1	0	1	0	0	0	1
16	Melly ambar wati	1	0	0	1	0	1	0	1	0	1
17	Mia elia wati	0	1	1	0	0	0	0	0	0	0
18	Muhamad irfani	0	0	0	1	1	0	0	1	1	0
19	Muhamad rio f.	1	0	0	0	1	1	0	0	0	1
20	Muhamad salman k.	0	1	0	1	1	1	0	0	0	1
21	Natalia	0	1	1	1	0	0	1	0	0	1
22	Nikmatul izati	1	0	1	0	0	0	0	0	1	0
23	Nur korik khoiriyah	0	1	0	0	1	0	1	0	0	1
24	Puji rahayu	0	1	0	1	0	1	0	1	0	1
25	Rafi febriasyah	0	1	1	0	1	0	0	0	0	1
26	Rama dwi baskoro	1	0	1	1	0	1	0	0	1	0
27	Riki aditya famanda	0	1	0	1	1	0	0	0	0	0
28	Rizky yoga pratama	0	1	1	0	1	0	1	1	0	1
29	Samuel theo adika	1	0	0	0	1	0	0	1	0	0
30	Sapta nur safei	0	1	0	1	0	0	0	0	1	1
31	Sulis triutami	1	0	1	0	0	1	0	1	0	0
32	Susi yanti	1	0	0	1	0	0	0	1	0	1
33	Sri mega utami	0	1	0	1	0	0	1	0	0	1
34	Triana	1	0	1	0	0	1	0	1	0	0
35	Tuti rahayu	1	0	0	0	1	0	0	1	0	0

27	Riki aditya famanda	1	1	1	1	1	0	1	0	0	1
28	Rizky yoga pratama	1	1	1	1	1	1	1	1	1	1
29	Samuel theo adika	1	1	1	0	1	0	1	1	1	1
30	Sapta nur safei	1	1	1	1	0	1	1	1	0	1
31	Sulis triutami	1	1	1	1	0	1	0	1	1	1
32	Susi yanti	1	1	1	0	1	1	1	1	0	1
33	Sri mega utami	1	1	1	1	1	1	1	0	1	1
34	Triana	1	1	1	1	0	1	1	1	1	0
35	Tuti rahayu	1	1	0	1	1	1	1	1	0	1
36	Yohanes rendi P	1	1	1	1	1	0	1	1	1	1
Jumlah		36	35	29	32	23	33	33	28	23	30
Jumlah skor tiap indicator		71		84			66		81		
Skor maksimal		72		108			72		108		
Poin per aspek		98.61		77.78			91.67		75.00		
Kriteria		Sangat Tinggi		Tinggi			Sangat Tinggi		Tinggi		

Tabel 12. Analisis Butir Soal Kelompok Kontrol (VII_C)

Pretes

No	Nama siswa	Aspek penguasaan materi									
		C1		C2			C3		C4		
		Skor per soal		Skor per soal			Skor per soal		Skor per soal		
		6	1	2	8	10	5	7	3	4	9
1	Adesh alvina D.	1	0	1	0	0	0	1	1	0	0
2	Anindi dwi P.	0	0	0	1	1	1	0	0	0	1
3	Anisa arsita	0	1	1	0	0	0	0	0	0	1
4	Bambang saputra	1	0	1	0	1	0	1	1	0	0
5	David kusworo	0	0	0	0	1	0	1	1	0	1
6	Deka suryani	0	1	0	0	1	1	0	0	0	0
7	Deni via ningsih	1	0	1	0	0	0	0	0	0	1
8	Desi permata sari	0	0	0	0	1	0	1	0	0	0
9	Desi puspita sari	0	1	0	1	0	1	0	0	0	1
10	Deri rifani	1	0	0	0	1	0	0	0	0	0
11	Diki pratama	1	0	1	0	0	0	0	0	0	1
12	Doni ferdiasyah	1	0	0	1	1	0	1	0	1	0
13	Dony arif permana	0	1	0	0	1	0	1	1	0	0
14	Edo erlangga	0	0	1	0	0	0	1	0	0	1
15	Edwin satria	0	1	0	1	0	0	1	0	1	0

16	Erna yuliana	1	0	0	1	0	0	0	0	1	0
17	Erni yuliani	1	0	1	0	1	0	1	0	0	0
18	Fitria yulia ningsih	1	0	0	1	0	0	1	0	1	1
19	Gloria eloina	0	1	1	0	0	0	1	0	0	1
20	Ida arista	1	0	1	0	1	0	1	1	0	0
21	Luki andriyanto	1	0	0	0	0	0	1	1	0	0
22	M. Acep	0	0	1	0	1	0	1	0	0	1
23	Hengki cahyono	0	0	0	1	1	0	0	0	0	1
24	Novita sari	0	1	1	0	1	0	0	0	1	0
25	Panji a. Restu	0	1	1	0	0	0	1	0	0	1
26	Putri oktavia lestari	1	0	0	1	0	1	0	1	1	0
27	Rizky haria sandy	0	1	0	0	0	1	0	0	0	1
28	Sejuk saputra	0	1	0	1	0	1	0	0	1	0
29	Sopian nisia astuti	0	0	0	0	0	1	0	1	0	0
30	Steveniko K.	1	0	1	0	1	0	0	0	1	0
31	Triska yuliani	0	1	0	0	0	0	1	1	0	0
32	Vena suci anggita S	1	0	1	0	1	0	0	0	0	1
33	Wahyu cahyono	0	1	0	1	0	0	0	0	1	0
34	Winda rohani	1	0	0	0	1	0	0	1	0	0
Jumlah		15	12	14	10	16	7	16	10	9	14
Jumlah skor tiap indicator		27		40			23		33		
Skor maksimal		68		102			68		102		
Poin per aspek		39.71		39.22			33.82		32.35		
Kriteria		Rendah		Rendah			Rendah		Rendah		

Tabel 13. Analisis Butir Soal Kelompok Kontrol (VII_C)

Postes

No	Nama siswa	Aspek penguasaan materi									
		C1		C2			C3		C4		
		Skor per soal		Skor per soal			Skor per soal		Skor per soal		
		6	1	2	8	10	5	7	3	4	9
1	Adesh alvina D.	1	1	1	1	1	1	1	1	0	0
2	Anindi dwi P.	0	1	1	1	0	1	1	0	1	1
3	Anisa arsita	1	1	1	0	1	0	1	0	0	1
4	Bambang saputra	1	1	0	1	1	0	1	1	1	0
5	David kusworo	1	1	0	1	1	1	1	1	0	1
6	Deka suryani	1	1	1	0	1	1	1	0	0	1
7	Deni via ningsih	1	1	1	1	0	1	1	1	1	0

8	Desi permata sari	0	1	1	1	0	1	1	0	1	1
9	Desi puspita sari	1	1	0	1	1	1	1	1	0	1
10	Deri rifani	1	1	1	0	1	0	1	1	0	1
11	Diki pratama	1	1	1	1	1	0	1	0	1	1
12	Doni ferdiasyah	1	1	1	1	1	1	1	1	1	0
13	Dony arif permana	1	1	1	1	1	1	1	1	0	1
14	Edo erlangga	1	0	1	1	0	1	1	1	0	1
15	Edwin satria	1	1	0	1	1	1	1	1	1	0
16	Erna yuliana	1	1	1	0	1	1	1	0	1	0
17	Erni yuliani	1	1	1	1	1	1	1	1	0	0
18	Fitria yulia N.	1	1	0	1	1	1	1	1	1	1
19	Gloria eloina	1	1	1	0	1	1	1	1	1	0
20	Ida arista	1	1	1	1	1	1	1	1	1	1
21	Luki andriyanto	1	1	0	1	0	1	1	0	1	1
22	M. Acep	1	1	1	0	1	1	1	1	1	0
23	Hengki cahyono	1	1	0	1	1	1	1	1	0	1
24	Novita sari	1	1	1	1	1	1	0	0	1	0
25	Panji a. Restu	1	1	1	1	0	1	1	1	0	1
26	Putri oktavia L.	1	1	0	1	1	1	1	1	1	1
27	Rizky haria sandy	1	1	0	0	1	1	1	0	1	1
28	Sejuk saputra	1	1	1	1	0	1	1	1	1	0
29	Sopian nisia astuti	1	1	0	0	1	1	1	1	0	1
30	Steveniko K.	1	1	1	1	1	0	1	0	1	1
31	Triska yuliani	1	1	0	1	0	1	1	1	1	0
32	Vena suci anggita	1	1	1	1	1	1	1	1	1	0
33	Wahyu cahyono	1	1	1	0	1	1	1	1	0	1
34	Winda rohani	1	1	0	1	1	0	1	1	1	0
Jumlah		32	33	22	25	26	28	33	24	21	20
Jumlah skor tiap indicator		65		73		61		65			
Skor maksimal		68		102		68		102			
Poin per aspek		95.59		71.57		89.71		63.73			
Kriteria		Sangat tinggi		Sedang		Tinggi		Sedang			

Tabel 14. Analisis Perindikator Pada Soal Pretes Dan Postes Kelompok Eksperimen.

No	Nama siswa	Indikator kognitif											
		C1			C2			C3			C4		
		Pretes	Postes	<i>N-gain</i>	Pretes	Postes	<i>N-gain</i>	Pretes	Postes	<i>N-gain</i>	Pretes	Postes	<i>N-gain</i>
1	Anggraeni	1	2	100	1	2	50	1	2	100	1	2	50
2	Ayu agustina	1	2	100	2	3	100	0	1	50	1	2	50
3	Dewa arya saputra	1	2	100	1	2	50	1	2	100	0	2	66.67
4	Dian kurniasih	1	2	100	2	3	100	1	2	100	1	3	100
5	Diana putri	1	2	100	1	2	50	1	2	100	2	3	100
6	Didi santoso	1	2	100	1	2	50	1	2	100	1	2	50
7	Diki arya pangestu	1	2	100	1	2	50	1	2	100	0	2	66.67
8	Evita anggraeni	1	2	100	1	2	50	1	2	100	1	2	50
9	Fais wijayanto	1	2	100	1	2	50	1	2	100	1	2	50
10	Fani della amalia	1	2	100	1	2	50	1	2	100	2	3	100
11	Gilang ferliansyah	1	2	100	1	2	50	0	1	50	0	2	66.67
12	Giyon septianto	1	2	100	1	2	50	1	2	100	0	2	66.67
13	Isnu joko	1	2	100	1	3	100	1	2	100	2	3	100
14	Kiki indra mawarni	1	2	100	1	2	50	1	2	100	1	2	50
15	Maria tri cantika	1	2	100	1	2	50	1	2	100	1	2	50
16	Melly ambar wati	1	2	100	1	3	100	1	2	100	2	2	0
17	Mia elia wati	1	2	100	1	2	50	0	2	100	0	2	66.67
18	Muhamad irfani	0	1	50	2	2	0	0	2	100	2	3	100
19	Muhamad rio f.	1	2	100	1	2	50	1	2	100	1	2	50
20	Muhamad salman k.	1	2	100	2	3	100	1	2	100	1	3	100

21	Natalia	1	2	100	2	3	100	1	2	100	1	2	50
22	Nikmatul izati	1	2	100	1	2	50	0	2	100	1	2	50
23	Nur korik khoiriyah	1	2	100	1	2	50	1	2	100	1	2	50
24	Puji rahayu	1	2	100	1	3	100	1	2	100	2	2	0
25	Rafi febriasyah	1	2	100	2	2	0	0	2	100	1	2	50
26	Rama dwi baskoro	1	2	100	2	3	100	1	2	100	1	2	50
27	Riki aditya famanda	1	2	100	2	3	100	0	1	50	0	1	33.33
28	Rizky yoga pratama	1	2	100	2	3	100	1	2	100	2	3	100
29	Samuel theo adika	1	2	100	1	2	50	0	1	50	1	3	100
30	Sapta nur safei	1	2	100	1	2	50	0	2	100	2	2	0
31	Sulis triutami	1	2	100	1	2	50	1	1	0	1	3	100
32	Susi yanti	1	2	100	1	2	50	0	2	100	2	2	0
33	Sri mega utami	1	2	100	1	3	100	1	2	100	1	2	50
34	Triana	1	2	100	1	2	50	1	2	100	1	2	50
35	Tuti rahayu	1	2	100	1	2	50	0	2	100	1	2	50
36	Yahan es rendi P.	1	2	100	1	2	50	0	1	50	2	3	100
Rata-rata		0.97	1.97	98.61	1.25	2.31	62.50	0.67	1.83	90.28	1.11	2.25	60.19
Standar devisiasi		0.17	0.17	8.33	0.44	0.47	27.71	0.48	0.38	23.36	0.67	0.50	30.67
Peningkatan		1.00			1.06			1.17			1.14		

Tabel 15. Analisis Perindikator Pada Soal Pretes Dan Postes Kelompok Kontrol

No	Nama siswa	Indikator kognitif											
		C1			C2			C3			C4		
		Pretes	Postes	N-gain	Pretes	Postes	N-gain	Pretes	Postes	N-gain	Pretes	Postes	N-gain
1	Adhes	1	2	100	1	3	100	1	2	100	1	1	0.00
2	Anindi dwi purwani	0	1	50	2	2	0	1	2	100	0	2	66.67
3	Anisa arsita	1	2	100	1	2	50	0	1	50	1	1	0.00
4	Bambang saputra	1	2	100	2	2	0	1	1	0	1	2	50.00
5	David kusworo	0	2	100	1	2	50	1	2	100	2	2	0
6	Deka suryani	1	2	100	1	2	50	1	2	100	0	1	33.33
7	Deni via ningsih	1	2	100	1	2	50	0	2	100	1	2	50
8	Desi permata sari	0	1	50	1	2	50	1	2	100	0	2	66.67
9	Desi puspita sari	1	2	100	1	2	50	1	2	100	1	2	50
10	Deri rifani	1	2	100	1	2	50	0	1	50	0	2	66.67
11	Diki pratama	1	2	100	1	3	100	0	1	50	1	2	50
12	Doni ferdiasyah	1	2	100	2	3	100	1	2	100	1	2	50
13	Dony arif permana	1	2	100	1	3	100	1	2	100	1	2	50
14	Edo erlangga	0	1	50	1	2	50.00	1	2	100	1	2	50
15	Edwin satria	1	2	100	1	2	50	1	2	100	1	2	50
16	Erna yuliana	1	2	100	1	2	50	0	2	100	1	1	0.00
17	Erni yuliani	1	2	100	2	3	100	1	2	100	0	1	33.33
18	Fitria yulia ningsih	1	2	100	1	2	50	1	2	100	2	3	100
19	Gloria eloina	1	2	100	1	2	50	1	2	100	1	2	50
20	Ida arista	1	2	100	2	3	100	1	2	100	1	3	100

21	Luki andriyanto	1	2	100	0	1	33.33	1	2	100	1	2	50
22	M. Acep	0	2	100	2	2	0	1	2	100	0	2	66.67
23	Hengki cahyono	0	2	100	2	2	0	0	2	100	1	2	50
24	Novita sari	1	2	100	2	3	100	0	1	50	1	1	0.00
25	Panji a. Restu	1	2	100	1	2	50	1	2	100	1	2	50
26	Putri oktavia lestari	1	2	100	1	2	50	1	2	100	2	3	100
27	Rizky haria sandy	1	2	100	0	1	33.33	1	2	100	1	2	50
28	Sejuk saputra	1	2	100	1	2	50	1	2	100	1	2	50
29	Sopian nisia astuti	0	2	100	0	1	33.33	1	2	100	1	2	50
30	Steveniko kriswandi	1	2	100	2	3	100	0	1	50	1	2	50
31	Triska yuliani	1	2	100	0	1	33.33	1	2	100	1	2	50.00
32	Vena suci anggita S	1	2	100	2	3	100	0	2	100	1	2	50
33	Wahyu cahyono	1	2	100	1	2	50	0	2	100	1	2	50
34	Winda rohani	1	2	100	1	2	50	0	1	50	1	2	50.00
Rata-rata		0.79	1.91	95.59	1.18	2.15	55.39	0.68	1.79	88.24	0.91	1.91	48.04
Standar devisiasi		0.41	0.29	14.40	0.63	0.61	31.44	0.47	0.41	24.80	0.51	0.51	25.55
Peningkatan		1.12			0.97			1.12			1.00		