

Tabel 15. Nilai pretes, postes, dan *N-gain* kelas eksperimen.

No	Nama	Pretes	Postes	<i>N-gain</i>
1	ADITYA RIZKI RAHMAWATI	22.2	61.1	50.00
2	AMIR ADLIRANI	11.1	38.9	31.25
3	AMRINA ROSADA	16.7	52.8	43.33
4	ANNISA SEPTIANA	16.7	75.0	70.00
5	DESTI CHAFRIATI	16.7	83.3	80.00
6	DEWI KARTINI	11.1	72.2	68.75
7	DIAN PERMATA SARI	8.3	69.4	66.67
8	DINA DANATA	16.7	83.3	80.00
9	DWI PRASETYANINGSIH	22.2	61.1	50.00
10	ENDANG SUNARDIYANSYAH	13.9	72.2	67.74
11	ESA BERLIANA	13.9	63.9	58.06
12	FEBY KUSUMA MUTIA RANI	16.7	55.6	46.67
13	FITRI AYU PRATIWI	44.4	47.2	5.00
14	IRVAN SANTOSO	2.8	38.9	37.14
15	JULIUS SAPUTRA	13.9	58.3	51.61
16	MIA JANERA	16.7	58.3	50.00
17	MUTIARA ARIESYA	30.6	30.6	0.00
18	NOVA AYU LESTARI S.	8.3	86.1	84.85
19	NURSYARAH MARGARETTA	19.4	75.0	68.97
20	PEFI PHOLANDA	11.1	44.4	37.50
21	REZA AYU FITRIANI	19.4	47.2	34.48
22	SAYYID NURHAQIS	19.4	55.6	44.83
23	SELLY MUSTIKASARI	8.3	61.1	57.58
24	SELVI ANITA REVIANI	8.3	44.4	39.39
25	SENDYKA VISTA ANGGARA	19.4	58.3	48.28
26	TB. M. SHOFRAN LANRIFQO LABA	16.7	61.1	53.33
Rata-rata		19.44	61.11	51.67
Standar Deviasi		8.101	14.556	20.461

Tabel 16. Nilai pretes, postes, dan *N-gain* kelas kontrol.

No	Nama	Pretes	Postes	N gain
1	ADE AGUSTINA	22.2	55.6	42.86
2	ADINDA RIZKI FITRIANISA	30.6	55.6	36.00
3	AGUS MAULANA ARIF	13.9	30.6	19.35
4	AUDIA PUTRI	11.1	52.8	46.88
5	BELLA CAHYA JUWITA	30.6	36.1	8.00
6	DEDI SUHENDRA	44.4	72.2	50.00
7	DIEN KIKIT AYUNING PURI	33.3	52.8	29.17
8	ERTIN AMIRAH MARZUQ	25.0	55.6	40.74
9	FAHRUR ROZI	44.4	72.2	50.00
10	FEBNIA DONA LISA	27.8	41.7	19.23
11	FINATY ARIFIN	13.9	25.0	12.90
12	GINA OKTABRI UMAR	33.3	63.9	45.83
13	GITA RAHMI PERTIWI	19.4	75.0	68.97
14	LISDA MAWARNI	19.4	72.2	65.52
15	META MEI SARI	30.6	41.7	16.00
16	MUHAMMAD SANGGI CHANDRA	30.6	47.2	24.00
17	NAFIATUR FEBRIYANTI	27.8	63.9	50.00
18	NOVILITA PRATIWI	22.2	61.1	50.00
19	NURSADI	16.7	22.2	6.67
20	PIKI	13.9	72.2	67.74
21	PUTERI PERMATASARI	22.2	50.0	35.71
22	PUTRI DESMA RESTIA DANTES	22.2	88.9	85.71
23	RANGGA AGE SAPUTRA JAYA	8.3	69.4	66.67
24	RENNY ARISMA	27.8	33.3	7.69
25	RIO PRATAMA	25.0	47.2	29.63
26	SANTORI	22.2	33.3	14.29
27	STEFANUS HENDY NUGROHO	13.9	27.8	16.13
28	SYAIFUL AKBAR HIDAYATULLAH	16.7	25.0	10.00
29	TRI ANGGA HANDAYANI	11.1	38.9	31.25
30	VIVI ROIDA	11.1	52.8	46.88
31	YESI ANGGUN VIVIANA	16.7	50.0	40.00
32	YONAN NOVIANSYAH	19.4	38.9	24.14
Rata-rata		20.8	47.2	33.50
Standar Deviasi		9.102	17.170	20.832

Tabel 17. Analisis butir soal pretes dan postes kelas eksperimen

No Urut Siswa	Skor KBK pada soal Pretes												Skor KBK pada soal Postes											
	A			B						C			A			B						C		
				B1			B2									B1			B2					
	1	5	9	2	6	10	3	7	11	4	8	12	1	5	9	2	6	10	3	7	11	4	8	12
1	1	0	1	2	0	1	0	0	0	1	1	1	1	3	0	1	3	3	3	3	2	1	2	0
2	0	1	0	2	0	0	0	0	0	1	0	0	0	0	3	3	0	3	0	0	2	3	0	0
3	1	0	0	1	0	1	0	0	1	1	1	0	1	2	0	1	3	3	3	2	1	1	2	0
4	2	0	0	0	1	0	1	1	0	1	0	0	1	3	3	2	3	3	3	3	3	1	2	0
5	1	0	0	1	1	1	0	0	0	1	1	0	2	3	3	2	3	3	3	3	3	3	2	0
6	0	1	0	2	0	0	0	0	0	1	0	0	3	3	3	1	3	2	0	3	3	0	3	2
7	0	0	0	2	0	0	0	0	0	1	0	0	3	3	3	1	2	3	0	3	2	0	3	2
8	2	0	0	0	0	0	1	1	0	1	1	0	3	3	3	2	3	3	2	3	3	3	2	0
9	2	0	0	2	0	0	3	0	0	1	0	0	3	2	2	3	2	2	3	2	0	2	0	1
10	0	0	0	0	2	1	1	0	0	1	0	0	3	3	2	1	3	2	3	3	3	3	0	0
11	0	1	0	2	1	0	0	0	0	1	0	0	3	3	3	1	3	3	0	3	2	0	1	1
12	1	0	0	1	0	1	1	0	1	0	1	0	1	3	0	1	3	3	3	3	1	0	2	0
13	1	3	1	1	2	1	1	3	1	1	0	1	1	3	0	1	2	2	1	3	2	2	0	0
14	1	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	3	3	0	0	2	0	2	0
15	1	0	0	1	1	0	0	0	1	1	0	0	3	3	3	1	2	3	1	3	2	0	0	0
16	1	0	0	1	0	1	1	0	1	0	1	0	1	3	0	1	3	3	3	2	2	1	2	0
17	1	2	0	1	2	1	1	2	0	1	0	0	1	3	0	1	2	2	1	0	0	1	0	0
18	0	0	0	2	0	0	0	0	0	1	0	0	3	3	3	1	2	3	3	3	2	3	3	2

19	2	0	0	2	0	0	0	1	0	1	1	0	1	3	3	2	3	3	3	3	3	1	2	0
20	0	0	0	1	0	0	2	0	0	1	0	0	2	3	0	3	2	3	0	0	2	1	0	0
21	2	0	0	1	0	0	3	0	0	1	0	0	3	3	0	3	2	0	3	1	0	2	0	0
22	1	0	0	1	0	1	0	1	1	1	1	0	1	3	2	1	1	2	0	3	2	0	3	2
23	0	0	0	2	0	0	0	0	0	1	0	0	1	3	3	1	1	3	0	3	2	0	3	2
24	0	0	0	2	0	0	0	0	0	1	0	0	0	2	0	2	3	3	0	2	2	2	0	0
25	1	1	1	2	0	0	0	1	0	1	0	0	1	3	0	1	3	3	3	2	2	1	2	0
26	1	2	0	1	1	0	1	0	0	0	0	0	1	3	3	1	3	3	1	3	3	1	0	0
Jumlah tiap soal	22	11	3	33	11	9	16	10	6	22	8	2	44	72	42	38	63	69	42	59	51	32	36	12
Jumlah Skor	36			85					32			158			322					80				
Nilai	15.38			18.16					13.68			67.52			68.80					34.19				
Kriteria	SR			SR					SR			T			T					R				

Keterangan:

Indikator Keterampilan Berpikir Kritis Siswa:

A = Keterampilan memberikan alasan; B = Mencari persamaan dan Perbedaan; C = Merekonstruksi argumen; B1 = Mencari persamaan; B2 = Mencari perbedaan

Kriteria:

SR = Sangat Rendah; T = Tinggi; R = Rendah

Tabel 18. Analisis butir soal pretes dan postes kelas kontrol.

No Urut Siswa	Skor KBK pada soal Pretes												Skor KBK pada soal Postes											
	A			B						C			A			B						C		
				B1			B2									B1			B2					
	1	5	9	2	6	10	3	7	11	4	8	12	1	5	9	2	6	10	3	7	11	4	8	12
1	0	1	0	2	0	1	1	1	0	2	0	0	0	2	2	3	3	3	0	2	0	2	3	0
2	0	0	2	1	2	1	1	1	1	1	0	1	0	3	2	1	3	2	3	0	1	1	3	1
3	0	0	0	1	0	0	1	0	1	1	1	0	0	0	0	3	0	1	1	2	1	2	0	1
4	0	0	0	1	0	0	1	0	0	2	0	0	0	3	2	3	3	3	3	2	0	0	0	0
5	1	3	0	2	0	0	0	2	1	2	0	0	3	2	0	3	0	1	0	0	1	2	0	1
6	0	0	2	1	2	1	3	3	1	2	0	1	0	0	2	3	3	3	3	3	3	2	3	1
7	0	2	2	1	2	1	1	1	0	2	0	0	0	3	2	3	3	1	0	2	0	2	3	0
8	0	0	0	2	1	1	0	1	1	2	0	1	0	3	2	1	3	3	1	2	0	2	3	0
9	0	0	2	1	2	1	3	3	1	2	0	1	0	0	2	3	3	3	3	3	3	2	3	1
10	0	2	0	2	0	1	1	1	1	2	0	0	3	2	0	3	0	1	1	1	1	2	0	1
11	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0	0	0	1	1	2	1	2	1	1
12	0	1	2	1	2	1	1	2	0	2	0	0	0	3	0	3	2	2	3	2	2	2	3	1
13	0	0	0	1	1	1	0	2	1	1	0	0	0	3	3	3	3	3	3	2	2	2	3	0
14	0	0	0	3	2	0	0	0	0	2	0	0	0	3	2	3	3	3	3	2	2	2	3	0
15	0	0	0	2	1	2	1	1	1	2	0	1	0	0	2	2	3	2	1	0	2	2	0	1
16	0	2	0	1	1	1	1	1	1	2	0	1	1	3	0	3	3	1	1	1	1	2	0	1
17	0	1	2	1	2	1	1	0	0	1	0	1	0	1	2	3	2	2	3	2	2	2	3	1
18	0	0	0	1	1	1	1	1	1	1	0	1	0	3	2	3	3	3	3	2	0	0	3	0

19	0	0	0	2	0	2	0	0	0	1	1	0	1	0	0	0	0	1	0	2	1	2	0	1	
20	0	0	2	1	0	0	1	0	0	1	0	0	0	3	2	3	3	3	3	2	2	2	3	0	
21	0	1	0	2	1	1	1	0	0	1	1	0	0	3	2	1	2	1	1	3	2	2	0	1	
22	1	1	0	1	1	0	1	1	0	2	0	0	3	3	3	3	2	3	3	3	0	3	3	3	
23	0	0	0	1	0	1	0	0	0	1	0	0	2	3	0	3	3	2	3	3	2	1	3	0	
24	0	2	1	1	2	1	1	1	0	1	0	0	1	3	0	3	1	0	1	1	0	2	0	0	
25	0	0	1	1	1	1	1	1	1	1	0	1	1	3	0	3	3	0	1	2	1	2	0	1	
26	0	0	0	1	0	1	1	1	1	1	1	1	0	3	0	2	0	1	0	2	1	2	0	1	
27	0	0	2	1	0	0	1	0	0	1	0	0	1	0	0	1	0	1	1	2	1	2	0	1	
28	0	0	0	1	0	1	0	1	1	0	1	1	2	0	0	1	0	1	1	1	1	2	0	0	
29	0	0	0	1	0	1	1	0	0	1	0	0	0	3	2	0	3	3	0	1	2	0	0	0	
30	0	0	0	2	0	1	1	0	0	0	0	0	0	3	2	1	2	2	1	3	2	2	0	1	
31	1	1	0	1	0	1	1	0	1	0	0	0	0	3	2	1	2	1	1	3	2	2	0	1	
32	0	0	0	1	1	1	1	1	1	1	0	0	0	3	0	3	2	0	3	1	0	2	0	0	
Jumlah Skor	38			166							58			123			341						121		
Nilai	16.24			35.47							24.79			52.56			72.86						51.71		
Kriteria	SR			R							R			S			T						S		

Keterangan:

Indikator Keterampilan Berpikir Kritis Siswa:

A = Keterampilan memberikan alasan; B = Mencari persamaan dan Perbedaan; C = Merekonstruksi argumen; B1 = Mencari persamaan; B2 = Mencari perbedaan

Kriteria:

SR = Sangat Rendah; T = Tinggi; S = Sedang; R = Rendah

Tabel 19. Analisis perindikator keterampilan berpikir kritis siswa pada soal pretes dan postes kelas eksperimen.

No	Skor Perindikator Keterampilan Berpikir Kritis								
	A			B			C		
	Spre	Spost	N-gain	Spre	Spost	N-gain	Spre	Spost	N-gain
1	2	4	28.57	3	15	80.00	3	3	0.00
2	1	3	25.00	2	8	37.50	1	3	25.00
3	1	3	25.00	3	13	66.67	2	3	14.29
4	2	7	71.43	3	17	93.33	1	3	25.00
5	1	8	87.50	3	17	93.33	2	5	42.86
6	1	9	100.00	2	12	62.50	1	5	50.00
7	0	9	100.00	2	11	56.25	1	5	50.00
8	2	9	100.00	2	16	87.50	2	5	42.86
9	2	7	71.43	5	12	53.85	1	3	25.00
10	0	8	88.89	4	15	78.57	1	3	25.00
11	1	9	100.00	3	12	60.00	1	2	12.50
12	1	4	37.50	4	14	71.43	1	2	12.50
13	4	5	20.00	9	11	22.22	2	2	0.00
14	1	4	37.50	0	8	44.44	0	2	22.22
15	1	9	100.00	3	12	60.00	0	1	11.11
16	1	4	37.50	4	14	71.43	1	3	25.00
17	3	4	16.67	6	7	8.33	1	1	0.00
18	0	9	100.00	2	14	75.00	1	8	87.50
19	2	7	71.43	3	17	93.33	2	3	14.29
20	0	5	55.56	3	10	46.67	1	1	0.00
21	2	6	57.14	4	9	35.71	1	2	12.50
22	1	6	62.50	4	9	35.71	2	5	42.86
23	0	7	77.78	2	10	50.00	1	5	50.00
24	0	2	22.22	2	12	62.50	1	2	12.50
25	3	4	16.67	3	14	73.33	1	3	25.00
26	3	7	66.67	3	14	73.33	0	1	11.11
R	35	159	60.652	84	323	61.267	31	81	24.580
N	194						112		
S	18.04	81.96		20.64	79.36		27.68	72.32	
Sd	1.093	2.251	30.793	1.657	2.901	21.950	0.694	1.681	20.476
K	SR	ST		R	T		R	T	

Keterangan:

Indikator Keterampilan Berpikir Kritis Siswa:

A = Keterampilan memberikan alasan; B = Mencari persamaan dan Perbedaan; C = Merekonstruksi argumen; R = Jumlah skor; N = Jumlah skor maksimum; S = Nilai; Sd = Standar deviasi

Kriteria (K): T = Tinggi; S = Sedang; R = Rendah

Tabel 20. Analisis perindikator keterampilan berpikir kritis siswa pada soal pretes dan postes kelas kontrol.

No	Skor Perindikator Keterampilan Berpikir Kritis								
	A			B			C		
	Spre	Spost	<i>N-gain</i>	Spre	Spost	<i>N-gain</i>	Spre	Spost	<i>N-gain</i>
1	1	4	37.50	5	11	46.15	2	5	42.86
2	2	5	42.86	7	10	27.27	2	5	42.86
3	0	0	0.00	3	8	33.33	2	3	14.29
4	0	5	55.56	2	14	75.00	0	2	22.22
5	4	5	20.00	5	5	0.00	2	3	14.29
6	2	2	0.00	11	18	100.00	3	6	50.00
7	4	5	20.00	6	9	25.00	2	5	42.86
8	0	5	55.56	6	10	33.33	3	5	33.33
9	2	2	0.00	11	18	100.00	3	6	50.00
10	2	5	42.86	6	7	8.33	2	3	14.29
11	0	0	0.00	4	5	7.14	1	4	37.50
12	3	3	0.00	7	14	63.64	2	6	57.14
13	0	6	66.67	6	16	83.33	1	5	50.00
14	0	5	55.56	5	16	84.62	2	5	42.86
15	0	2	22.22	8	10	20.00	3	3	0.00
16	2	4	28.57	6	10	33.33	3	3	0.00
17	3	3	0.00	5	14	69.23	2	6	57.14
18	0	5	55.56	6	14	66.67	2	3	14.29
19	0	1	11.11	4	4	0.00	2	3	14.29
20	2	5	42.86	2	16	87.50	1	5	50.00
21	1	5	50.00	5	10	38.46	2	3	14.29
22	2	9	100.00	4	14	71.43	2	9	100.00
23	0	5	55.56	2	16	87.50	1	4	37.50
24	3	4	16.67	6	6	0.00	1	2	12.50
25	1	4	37.50	6	10	33.33	2	3	14.29
26	0	3	33.33	5	6	7.69	3	3	0.00
27	1	2	12.50	2	6	25.00	1	3	25.00
28	0	2	22.22	4	5	7.14	2	2	0.00
29	0	5	55.56	3	9	40.00	0	1	11.11
30	0	5	55.56	4	11	50.00	0	3	33.33
31	2	5	42.86	4	10	42.86	0	3	33.33
32	0	3	33.33	6	9	25.00	1	2	12.50
R	37	124	33.498	166	341	43.509	55	124	29.501
N	161			32.74 67.26			179		
S	22.98	77.02					30.73	69.27	
Sd	1.298	1.862	24.220	2.177	4.077	31.157	0.924	1.661	22.111
K	R	T		R	T		R	T	

Keterangan:

Indikator Keterampilan Berpikir Kritis Siswa:

A = Keterampilan memberikan alasan; B = Mencari persamaan dan Perbedaan; C = Merekonstruksi argumen;

R = Jumlah skor; **N** = Jumlah skor maksimum; **S** = Nilai; **Sd** = Standar deviasi

Kriteria (**K**): T = Tinggi; S = Sedang; R = Rendah