APPENDIXES

LIST OF APPENDICES

Appendix III

No Siswa	Nomor Butir Soal																														Y	Y^2
	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	1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	0	1	0	1	1	0	0	1	1	1	0	1	0	1	1	20	400
2	1	1	0	1	1	1	0	1	1	1	0	0	1	1	0	0	1	1	1	1	0	1	1	1	0	1	1	1	0	1	21	441
3	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	28	748
4	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	25	625
5	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	27	729
6	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	26	676
7	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	0	1	24	576
8	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	25	625
9	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	0	1	1	0	1	22	484
10	0	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	1	0	0	1	1	1	1	0	1	0	19	361
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	29	841
12	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	27	729
13	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	0	0	1	1	1	0	1	24	576
14	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	23	529
15	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	0	1	24	576
16	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	28	748
17	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	23	529
18	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	26	676
19	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	26	676
20	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	24	576
21	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	28	748
22	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	28	748
23	0	1	1	0	1	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	0	20	400
24	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	1	0	0	23	529
∑x	21	24	21	18	19	24	16	20	20	20	20	18	20	22	21	18	21	19	21	23	22	20	16	20	18	17	19	17	17	17	590	14546

APPENDIX II

Perhitungan Validitas Butir Soal

1. $r_{xy} = \dfrac{24\,(485) - (21)\,(20)}{\sqrt{[24\,(441) - (441)][24\,(400) - (400)]}}$

   $= 0.58$

2. $r_{xy} = \dfrac{24\,(504) - (24)\,(21)}{\sqrt{[24\,(576) - (576)][24\,(441) - (441)]}}$

   $= 0.70$

3. $r_{xy} = \dfrac{24\,(588) - (21)\,(28)}{\sqrt{[24\,(441) - (441)][24\,(784) - (784)]}}$

   $= 0.81$

4. $r_{xy} = \dfrac{24\,(450) - (18)\,(25)}{\sqrt{[24\,(324) - (324)][24\,(625) - (625)]}}$

   $= 0.62$

5. $r_{xy} = \dfrac{24\,(513) - (19)\,(27)}{\sqrt{[24\,(361) - (361)][24\,(729) - (729)]}}$

   $= 0.71$

6. $r_{xy} = \dfrac{24\,(624) - (24)\,(26)}{}$

$$\sqrt{[24\,(576) - (576)][24\,(676) - (676)]}$$

$= 0.86$

7. $r_{xy} = \dfrac{24\,(384) - (16)\,(24)}{\sqrt{[24\,(256) - (256)][24\,(576) - (576)]}}$

$= 0.53$

8. $r_{xy} = \dfrac{24\,(500) - (20)\,(25)}{\sqrt{[24\,(400) - (400)][24\,(625) - (625)]}}$

$= 0.69$

9. $r_{xy} = \dfrac{24\,(440) - (20)\,(22)}{\sqrt{[24\,(400) - (400)][24\,(484) - (484)]}}$

$= 0.61$

10. $r_{xy} = \dfrac{24\,(380) - (20)\,(19)}{\sqrt{[24\,(400) - (400)][24\,(361) - (361)]}}$

$= 0.52$

11. $r_{xy} = \dfrac{24\,(580) - (20)\,(29)}{\sqrt{[24\,(400) - (400)][24\,(841) - (841)]}}$

$= 0.80$

12. $r_{xy} = \dfrac{24\,(486) - (18)\,(27)}{\sqrt{[24\,(324) - (324)][24\,(729) - (729)]}}$

$= 0.67$

13. $r_{xy} = \dfrac{24\,(480) - (20)\,(24)}{\sqrt{[24\,(400) - (400)][24\,(576) - (576)]}}$

$= 0.66$

14. $r_{xy} = \dfrac{24\,(506) - (22)\,(23)}{\sqrt{[24\,(484) - (484)][24\,(529) - (529)]}}$

$= 0.70$

15. $r_{xy} = \dfrac{24\,(503) - (21)\,(24)}{\sqrt{[24\,(441) - (441)][24\,(576) - (576)]}}$

$= 0.69$

16. $r_{xy} = \dfrac{24\,(504) - (18)\,(28)}{\sqrt{[24\,(324) - (324)][24\,(748) - (748)]}}$

$= 0.70$

17. $r_{xy} = \dfrac{24\,(483) - (21)\,(23)}{\sqrt{[24\,(441) - (441)][24\,(529) - (529)]}}$

$= 0.67$

18. $r_{xy} = \dfrac{24\,(494) - (19)\,(26)}{\sqrt{[24\,(361) - (361)][24\,(676) - (676)]}}$

$= 0.68$

19. $r_{xy} = \dfrac{24\,(546) - (21)\,(26)}{\sqrt{[24\,(441) - (441)][24\,(676) - (676)]}}$

$= 0.75$

20. $r_{xy} = \dfrac{24\,(552) - (23)\,(24)}{\sqrt{[24\,(529) - (529)][24\,(576) - (576)]}}$

$= 0.76$

21. $r_{xy} = \dfrac{24\,(616) - (22)\,(28)}{\sqrt{[24\,(484) - (484)][24\,(748) - (748)]}}$

$= 0.85$

22. $r_{xy} = \dfrac{24\,(560) - (20)\,(28)}{\sqrt{[24\,(400) - (400)][24\,(748) - (548)]}}$

$= 0.77$

23. $r_{xy} = \dfrac{24\,(320) - (16)\,(20)}{\sqrt{[24\,(256) - (256)][24\,(400) - (400)]}}$

$= 0.44$

24. $r_{xy} = \dfrac{24\,(460) - (20)\,(23)}{\sqrt{[24\,(400) - (400)][24\,(529) - (529)]}}$

$= 0.63$

25. $r_{xy} = \dfrac{24\,(324) - (18)\,(18)}{}$

$$\sqrt{[24\,(324) - (324)][24\,(324) - (324)]}$$

$= 0.45$

26. $r_{xy} = \dfrac{24\,(289) - (17)\,(17)}{\sqrt{[24\,(289) - (289)][24\,(289) - (289)]}}$

$= 0.40$

27. $r_{xy} = \dfrac{24\,(361) - (19)\,(19)}{\sqrt{[24\,(361) - (361)][24\,(361) - (361)]}}$

$= 0.50$

28. $r_{xy} = \dfrac{24\,(289) - (17)\,(17)}{\sqrt{[24\,(289) - (289)][24\,(289) - (289)]}}$

$= 0.40$

29. $r_{xy} = \dfrac{24\,(289) - (17)\,(17)}{\sqrt{[24\,(289) - (289)][24\,(289) - (289)]}}$

$= 0.40$

30. $r_{xy} = \dfrac{24\,(289) - (17)\,(17)}{\sqrt{[24\,(289) - (289)][24\,(289) - (289)]}}$

$= 0.40$

Appendix III

Tabel Persiapan Perhitungan Reliabilitas KR 21

No Siswa	Items																									Total Score
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	222	23	24	25	
1	1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	0	1	0	1	0	0	1	1	1	1	17
2	1	1	0	1	1	1	0	1	1	1	0	0	1	1	0	0	1	1	1	1	0	1	1	1	0	17
3	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	24
4	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	22
5	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	23
6	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	23
7	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	22
8	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	22
9	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	20
10	0	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	1	0	1	1	1	17
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	24
12	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	23
13	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	20
14	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	0	1	0	1	1	1	20
15	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	22

16	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	23
17	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	20
18	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	22
19	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	23
20	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	20
21	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	23
22	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	24
23	0	1	1	0	1	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	0	0	17
24	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	22
Total (z)																										510
Varian Total (Vt)																										9.4
Mean (M)																										20,4

APPENDIX IV

PERHITUNGAN RELIABILITAS

K=25

$$M = \frac{\sum X}{N} = 20,4$$

$$Vt = \frac{\sum X^2 - \frac{(\sum X)^2}{N}}{N}$$

$$= \frac{10271 - 10045}{24}$$

$$= 9,4$$

$$r_{11} = \frac{25}{25-1} \quad \frac{1-20,4 \times 4,6}{235}$$

$$= 0,6256$$

APPENDIX V

TABEL PERSIAPAN PERHITUNGAN INDEX DISKRIMINASI

No Siswa	Items																														Total Score
	ket	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	
11		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	29
3		0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	28
6		1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	28
21	U	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	28
22	P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	28
5	P	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	27
12	E	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	27
6	R	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	26
18		1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	26
19		1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	26
4		1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	25
8		0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	25
7		1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1	0	1	1	1	1	0	0	1	24
13	L	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	0	1	24
15	O	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	0	1	24
20	W	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	24
14	E	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1	0	23
17	E	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	23
24	R	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	1	0	0	23
9		1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	0	1	1	0	1	22
2		1	1	0	1	1	1	0	1	1	1	0	0	1	1	0	0	1	1	1	1	0	1	1	1	0	1	1	1	0	1	21
1		1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	0	1	0	1	1	0	0	1	1	1	0	1	0	1	1	20
23		1	1	1	0	1	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	0	20

10		0	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	1	0	0	1	1	1	1	0	1	0	19
$\sum x$		21	24	21	18	19	24	16	20	20	20	20	18	20	22	21	18	21	19	21	23	22	20	16	20	18	17	19	17	17	17	590

APPENDIX VI

Data For analyzing Discrimination Power

Items	CU	CL	½ N	D= $\frac{CU - CL}{½ N}$	EXPLANATION
1	10	1	12	0,75	Excellent
2	12	0	12	1,00	Excellent
3	12	3	12	0,75	Excellent
4	11	5	12	0,50	Good
5	12	5	12	0,58	Good
6	12	3	12	0,75	Excellent
7	9	4	12	0,41	Good
8	11	4	12	0,58	Good
9	12	4	12	0,66	Good
10	12	4	12	0,66	Good
11	10	2	12	0,66	Good
12	10	4	12	0,50	Good
13	9	1	12	0,66	Good
14	12	2	12	0,83	Excellent
15	10	1	12	0,75	Excellent
16	10	4	12	0,50	Good
17	12	3	12	0,75	Excellent
18	12	5	12	0,58	Good
19	9	0	12	0,75	Excellent
20	12	1	12	0,91	Excellent
21	12	2	12	0,83	Excellent
22	12	4	12	0,66	Good
23	8	4	12	0,33	Satisfactory
24	11	2	12	0,75	Excellent

25	11	5	12	0,50	Good
26	9	4	12	0,41	Good
27	10	3	12	0,58	Good
28	10	7	12	0,25	Satisfactory
29	12	7	12	0,41	Good
30	9	4	12	0,41	Good

APPENDIX VII

Tabulation Score Obtained From Pre –Test

N	Xe	Xc
1	48	44
2	50	50
3	75	72
4	65	60
5	70	70
6	68	66
7	60	56
8	65	60
9	54	50
10	40	40
11	80	78
12	70	68
	∑Xe=748	∑Xc=714

APPENDIX VIII

Tabulation Score Obtained From Post –Test

N	Xe	Xc
1	60	52
2	65	58
3	88	72
4	72	65
5	85	74
6	78	70
7	75	68
8	72	64
9	70	62
10	62	55
11	98	86
12	88	72
	∑Xe=911	∑Xc=798

APPENDIX IX

TABLE 4.1
Tabulation Mean of Experimental Group

N	y1	y2
1	48	60
2	50	65
3	75	88
4	65	72
5	70	85
6	68	78
7	60	75
8	65	70
9	54	70
10	40	62
11	80	98
12	70	88
∑N=12	∑y1=748 (62,0)	∑y2=911 (75,9)

APPENDIX X

TABLE 4.2
Tabulation Mean of Control Group

N	x1	X2
1	44	52
2	50	58
3	72	72
4	60	65
5	70	74
6	66	70
7	56	68
8	60	64
9	50	62
10	40	55
11	78	86
12	68	72
∑N=12	∑x1=714 (59,5)	∑x2=798 (66,5)

APPENDIX XI

TABLE 4.3
Tabulation Sd of The Pre –Test of Experimental Group

N	y1
1	48
2	50
3	75
4	65
5	70
6	68
7	60
8	65
9	54
10	40
11	80
12	70
∑N=12	∑y1=748

$$Sd = \sqrt{\frac{N\sum y1^2 - (\sum y1)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(748)^2 - (748)^2}{12(12-1)}}$$

$$= 24,6$$

APPENDIX XII

TABLE 4.4
Tabulation Sd of The Post –Test of Experimental Group

N	y2
1	60
2	65
3	88
4	72
5	85
6	78
7	75
8	70
9	70
10	62
11	98
12	88
∑N=12	∑y2=911

$$Sd = \sqrt{\frac{N\sum y2^2 - (\sum y2)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(991)^2 - (991)^2}{12(12-1)}}$$

$$= 26,2$$

APPENDIX XIII

TABLE 4.5
Tabulation Sd of The Pre –test of Control Group

N	x1
1	44
2	50
3	72
4	60
5	70
6	66
7	56
8	60
9	50
10	40
11	78
12	68
∑N=12	∑x1=714

$$Sd = \sqrt{\frac{N\sum x1^2 - (\sum x1)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(714)^2 - (714)^2}{12(12-1)}}$$

$$= 20,6$$

APPENDIX XIV

TABLE 4.6
Tabulation Sd of The Post – test of Control Group

N	x2
1	52
2	58
3	72
4	65
5	74
6	70
7	68
8	64
9	62
10	55
11	86
12	72
∑N=12	∑x2=796

$$Sd = \sqrt{\frac{N\sum x2^2 - (\sum x2)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(798)^2 - (798)^2}{12(12-1)}}$$

= 23,0

APPENDIX XV

The calculation of the error of differences between means and t value

$$S\,(Xe - Xc) = \sqrt{\left[\frac{Se}{\sqrt{n}}\right] + \left[\frac{Sc}{\sqrt{n}}\right]}$$

$$= \sqrt{\left[\frac{12}{\sqrt{12}}\right] + \left[\frac{12}{\sqrt{12}}\right]}$$

$$= \sqrt{[3{,}46]^2 + [3{,}46]^2}$$

$$= 4{,}893$$

Calculate the t value

$$T = \frac{\bar{X}e - \bar{X}c}{S(\bar{X}e - \bar{X}c)}$$

$$= \frac{75{,}9 - 62{,}0}{4{,}893}$$

$$= 2{,}84$$

$df = n_1 - n_2 - 2$

$= 12 + 12 - 2$

$= 22$

APPENDIX XVI

TEST

Fill the missing words with the correct answer a, b, c, or d.

1.What is the color of our flag?

a. white and blue b. white and black c. red and white d. red and purple

2. The color of sky is……..

a. purple b. green c. red d. blue

3. We have …. Hair.

a. blue b. black c. yellow d. brown

4. You have ….lips.

a. green b. red c. blue d. black

5. Andre's tongue is……

a .pink brown c. purple d. yellow

6. The color of leave is……..

a. purple b. green c. white d. black

7. The color of our board is ……..

a. red b. yellow c. black d. blue

8. She has ….. skin.

a. brown b. purple c. red d. blue

9. The color of grapes is …….

a. white b. purple c. brown d. pink

10. What is the color of lemon?

a. blue b. orange c. black d. brown

11. Cow’s milk is …….

a. pink b. green c. white d. red

12. The color of our eyes is……..

a. white and red b. white and black c. blue and yellow d. red and pink

13. The color of gold is ……

a. purple b red c. brown d. yellow

14. We can see the …….water in the sea.

a. blue b. black c. pink d. yellow

15. Tina’s socks is …….

a. red b. white c. yellow d. green

16. Mira’s tie is ….. color.

a. blue b. purple c. red d. pink

17. What is the color of banana fruits?

a. yellow b. pink c. white d. black

18. The color of pilot uniform is ……

a. black b. blue c. brown d. yellow

19. We have …… tooth.

a. green b. red c. black d. white

20. What is the color of our chair?

a. brown b. yellow and green c. white and black d. purple and blue

21. We always wear ….. and ….. school uniform at Friday and Saturday.

a. brown and blue b. brown c. blue and white d. red

22. Susi is wearing …. Shoes.

a. black b. red c. green d. purple

23. Eka is wearing …… belt.

a. pink b. brown c. white d. black

24. Alif has ….. bag.

a. fruits b. black c. rain d. sea

25. who knows the color of rainbow?

a. blue, red, green b. black c. brown and white d. blue

Tabel Persiapan Perhitungan Reliabilitas KR 21

No Siswa	Items																									Total Score
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	222	23	24	25	
1	1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	0	1	0	1	0	0	1	1	1	1	17
2	1	1	0	1	1	1	0	1	1	1	0	0	1	1	0	0	1	1	1	1	0	1	1	1	0	17
3	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	24
4	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	22
5	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	23
6	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	23
7	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	22
8	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	22
9	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	20
10	0	1	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	1	1	1	1	0	1	1	1	17
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	24
12	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	23
13	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	20
14	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	0	1	0	1	1	1	20
15	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	22
16	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	23
17	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	20
18	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	22
19	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	23
20	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	20
21	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	23
22	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	24
23	0	1	1	0	1	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	0	0	17
24	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	22
																									Total (z)	510

Varian Total (Vt)	9.4
Mean (M)	20,4

APPENDIX IV

PERHITUNGAN RELIABILITAS

K = 25

$$M = \frac{\sum X}{N} = 20{,}4$$

$$Vt = \frac{\sum X^2 - \frac{(\sum X)^2}{N}}{N}$$

$$= \frac{10271 - 10045}{24}$$

$$= 9.4$$

$$r11 = \frac{25}{25 - 1} \quad \frac{1\text{-}20.4 \times 4.6}{235}$$

$$= 0.6256$$

APPENDIX VI

Data For Analyzing Discrimination Power

Items	**CU**	**CL**	**½ N**	D = CU-CL **½ N**	**EXPLANATION**
1	10	1	12	0,75	Excellent
2	12	0	12	1,00	Excellent
3	12	3	12	0,75	Excellent
4	11	5	12	0,50	Good
5	12	5	12	0,58	Good
6	12	3	12	0,75	Excellent
7	9	4	12	0,41	Good
8	11	4	12	0,58	Good
9	12	4	12	0,66	Good
10	12	4	12	0,66	Good
11	10	2	12	0,66	Good
12	10	4	12	0,50	Good
13	9	1	12	0,66	Good
14	12	2	12	0,83	Excellent
15	10	1	12	0,75	Excellent
16	10	4	12	0,50	Good
17	12	3	12	0,75	Excellent
18	12	5	12	0,58	Good
19	9	0	12	0,75	Excellent
20	12	1	12	0,91	Excellent
21	12	2	12	0,83	Excellent
22	12	4	12	0,66	Good
23	8	4	12	0,33	Satisfactory

24	11	2	12	0,75	Excellent
25	11	5	12	0,50	Good
26	9	4	12	0,41	Good
27	10	3	12	0,58	Good
28	10	7	12	0,25	Satisfactory
29	12	7	12	0,41	Good
30	9	4	12	0,41	Good

APPENDIX VII

Tabulation Score Obtained From Pre-Test

N	Xe	Xc
1	48	44
2	50	50
3	75	72
4	65	60
5	70	70
6	68	66
7	60	56
8	65	60
9	54	50

10	40	40
11	80	78
12	70	68
	∑Xe=748	∑Xc=714

APPENDIX VIII

Tabulation Score Obtain From Post-Test

N	Xe	Xc
1	60	52
2	65	58
3	88	72
4	72	65
5	85	74
6	78	70
7	75	68
8	72	64
9	70	62
10	62	55
11	98	86
12	88	72
	∑Xe=911	∑Xc=798

APPENDIX IX

TABLE 4.1
Tabulation Mean of Experimental Group

N	y1	y2
1	48	60
2	50	65
3	75	88
4	65	72
5	70	85
6	68	78
7	60	75
8	65	70
9	54	70
10	40	62
11	80	98
12	70	88
∑N=12	∑y1=748(62,0)	∑y2=911(75,9)

APPENDIX X

TABLE 4.2
Tabulation Mean of Control Group

N	x1	x2
1	44	52
2	50	58
3	72	72
4	60	65
5	70	74
6	66	70
7	56	68
8	60	64
9	50	62
10	40	55
11	78	86
12	68	72
∑N=12	∑x1=714(59,5)	∑x2=798(66,5)

APPENDIX XI

TABLE 4.3
Tabulation Sd of The Pre-Test of Experimental Group

N	y1
1	48
2	50
3	75
4	65
5	70
6	68
7	60
8	65
9	54
10	40
11	80
12	70
∑N=12	∑y1=748

$$Sd = \sqrt{\frac{N\sum y1^2 - (\sum y1)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(748)^2 - (748)^2}{12(12-1)}}$$

$$= 24{,}6$$

APPENDIX XII

TABLE 4.4
Tabulation Sd of The Post-Test of Experimental Group

N	y2
1	60
2	65
3	88
4	72
5	85
6	78
7	75
8	70
9	70
10	62
11	98
12	88
∑N=12	∑y2=911

$$Sd = \sqrt{\frac{N\sum y2^2 - (\sum y2)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(911)^2 - (911)^2}{12(12-1)}}$$

$$= 26,2$$

APPENDIX XIII

TABLE 4.5
Tabulation Sd of The Pre-Test of Control Group

N	x1
1	44
2	50
3	72
4	60
5	70
6	66
7	56
8	60
9	50
10	40
11	78
12	68
∑N=12	∑x1=714

$$Sd = \sqrt{\frac{N\sum x1^2 - (\sum x1)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(714)^2 - (714)^2}{12(12-1)}}$$

$$= 20,6$$

APPENDIX XIV

TABLE 4.6
Tabulation Sd of The Post-Test of Control Group

N	x2
1	52
2	58
3	72
4	65
5	74
6	70
7	68
8	64
9	62
10	55
11	86
12	72
∑N=12	∑x2=796

$$Sd = \sqrt{\frac{N\sum x2^2 - (\sum x1)^2}{N(N-1)}}$$

$$= \sqrt{\frac{12(796)^2 - (796)^2}{12(12-1)}}$$

$$= 23,0$$

APPENDIX XV

The calculation of the error of differences between means and t-value

$$S\,(Xe - Xc) = \sqrt{\left[\frac{Se}{\sqrt{n}}\right] + \left[\frac{Sc}{\sqrt{n}}\right]}$$

$$= \sqrt{\left[\frac{12}{\sqrt{12}}\right] + \left[\frac{12}{\sqrt{12}}\right]}$$

$$= \sqrt{[3{,}46]^2 + [3{,}46]^2}$$

$$= 4{,}893$$

Calculate the t-value

$$T = \frac{\bar{X}e - \bar{X}c}{S(\bar{X}e - \bar{X}c)}$$

$$= \frac{75,9 - 62,0}{4,893}$$

$$= 2,84$$

$$df = n_1 - n_2 - 2$$

$$= 12 + 12 - 1$$

$$= 22$$

APPENDIX XVI

TEST

Fill the missing words with the correct answer a, b, c, or d.

1. What is the color of our flag?

   a. white and blue b. white and black c. red and white d. red and purple

2. The color of sky is……

   a. purple b. green c. red d. blue

3. We have ……. Hair.

   a. blue b. black c. yellow d. brown

4. You have …… lips.

   a. green b. red c. blue d. black

5. Andre's tongue is …….

   a. pink b. brown c. purple d. yellow

6. The color of leave is …….

   a. purple b. green c. white d. black

7. the color of our board is ……

a. red b. yellow c. black d. blue

8. She has …….. skin.

a. brown b. purple c. red d. blue

9. The color of grapes is ……

a. white b. purple c. brown d. pink

10. What is the color of lemon?

a. blue b. orange c. black d. brown

11. Cow’s milk is ……

a. pink b. green c. white d. red

12. The color of our eyes is ……..

a. white and red b. white and black c. blue and yellow d. red and pink

13. The color of gold is ……..

a. purple b. red c. brown d. yellow

14. We can see the …….. water in the sea

a. blue b. black c. pink d. yellow

15. Tina’s socks is …….

a. red b. white c. yellow d. green

16. Mira’s tie is …….. color.

a. blue b. purple c. red d. pink

17. What is the color of banana fruits?

a. yellow b. pink c. white d. black

18. The color of pilot uniform is …….

a. black b. blue c. brown d. yellow

19. We have ……. Tooth

a. green b. red c. black d. white

20. What is the color of our chair?

a. brown b. yellow and green c. white and black d. purple and blue

21. We always wear … school uniform at Friday and Saturday.

a. brown and blue b. brown c. blue and white d. red

22. Susi is wearing … shoes.

a. black b. red c. green d. purple

23. Eka is wearing …. Belt.

a. pink b. brown c. white d. black

24. Alif has ….. bag.

a. fruits b. black c. rain d. sea

25. Who knows the color of rainbow

a. blue, red, green b. black c. brown and white d. blue

APPENDIX XVII

Song 1

ALL THE CHILDREN OF THE WORLD

We love all the little children

All the children of the world

Red, brown yellow, black and white

They are precious in our sight

We love all the little children of the world

Black or white it doesn't matter

Red, yellow, brown we are all the same

Young or old, short or tall

Rich or poor, big or small

We love all the little children of the world

Sons 2

COLORS

Let’s learn our colors just me and you!

Let’s learn our colors like red green and blue

Let’s learn our colors so we can say

All the little things we learned in school today

Now there’s red and green, orange and blue

Yellow and purple, “I love you”

Colors, colors, colors, colors, all around

Up in the sky and down on the ground

Song 3

LOOK UP HIGH LOOK UP DOWN LOW

Colors, colors everywhere

On the ground and in the air

Look up high and look down low

Colors, colors, soon you'll know

Colors, colors! Blue I see

Flowers, birds, the deep blue sea

Look up high and look down low

Blue is a color that I know!

Colors, colors! Red I see

Apples, cherries, strawberries

Look up high and look down low

Red is a color that I know!

Colors, colors! Yellow I see

Lemons, ducks, and bumblebees

Look up high and look down low

Yellow is a color that I know!

Colors, colors! Green I see

Bugs and leaves and yummy peas

Look up high and look down low

Green is a color that I know!

Colors, colors! Orange I see

Goldfish, pumpkins, carrots to eat

Look up high and look down low

Orange is a color that I know!

Colors, colors! Purple I see

Plums, and grapes, violets for me

Look up high and look down low

Purple is color that I know!

Colors, colors, everywhere

On the ground and in the air

I looked up high and then down low

Now all the colors I sure know

Song 4

PLANTED WALLS

I can name my colors

Listen as I say them

Red and green and orange

Blue, yellow, black and white

Brown, pink and purple

Oh, I like them best

When painted on the walls

I think they're out of sight

Mom saw all my colors

She screamed, "what are you doing

With red and green and orange, blue

Yellow, black and white

Brown, pink and purple paint?’

Mom said she didn’t like those colors painted on my walls

She said she liked them white

Boy, am I in trouble

But I still like my colors

Red and green and orange

Blue, yellow, black and white

Brown, pink and purple

Mom made me wash those the colors

Right off my painted walls

I think I’ll keep them white

APPENDIX XVIII

LESSON PLAN I

Unit : 1
Meeting : First
Subject : Vocabulary Songs, Title: All the Children of The World and Color
Time : 1x 45 minutes
Class/ Semester: 4

A. General Teaching Objective
   The students are hoped to be able to understand the meaning of 8 new words from the songs

B. Scenario of Study
   - Greeting
   - Check the learners, attendance
   - Introducing the title of the songs and ask the students to read
   - Sang the songs 3 times
   - Explain the difficult words

C. Last Activity
   - Ask the students to write the meaning of new words
   - Ask some students to answer the questions in oral form
   - Give grade to the learners

LESSON PLAN II

Unit : 1
Meeting : Second
Subject : Vocabulary Songs, Title: Look Up High and Look down Low
Time : 1x 45 minutes
Class/ Semester: 4

A. General Teaching Objective
   The students are hoped to be able to understand the meaning of 8 new words from the songs

B. Scenario of Study
   a. Greeting
   b. Check the learners, attendance
   c. Introducing the title of the songs and ask the students to read
   d. Sang the songs 3 times
   e. Explain the difficult words

C. Last Activity
   a. Ask the students to write the meaning of new words
   b. Ask some students to answer the questions in oral form
   c. Give grade to the learners

LESSON PLAN II

Unit : 1
Meeting : Third
Subject : Vocabulary Songs, Title: Planted Walls
Time : 1x 45 minutes
Class/ Semester: 4

A. General Teaching Objective
   The students are hoped to be able to understand the meaning of 8 new words from the songs

B. Scenario of Study
   a. Greeting
   b. Check the learners, attendance
   c. Introducing the title of the songs and ask the students to read
   d. Sang the songs 3 times
   e. Explain the difficult words

C. Last Activity
   a. Ask the students to write the meaning of new words
   b. Ask some students to answer the questions in oral form
   c. Give grade to the learners