

CHAPTER V

CONCLUSION AND SUGGESTION

A. Conclusion

Based on the data analysis, the result of the calculation of t-test was that t-observed value : 3.07, with the degree of freedom (df)=58 was higher than that the value of t-table (1.67) at 0.05 level of significance and the result of realibility of the test is 0.77 that was in the fair level.

Based on those findings above, it impliesthatthe alternative hypothesis (Ha): At the level of significant 0,05, there was significant effect of Quantum Teaching on students' achievement in mastering adjective clause, is accepted.

B. Suggestion

In relation with the conclusion above, it was suggested to

1. The teacher – in order to get the teaching succesful, it is suggested to the teacher to use Quantum Teaching on teaching adjective clause and learn more about Quantum Teaching.
2. Student – to kearn more about adjective clause
3. The other researhers – to develop Quantum Teaching on other skill.

The calculation of reliability by using KR-20

$$r = \left(\frac{k}{k-1} \right) \left(\frac{Vt - \sum pq}{Vt} \right)$$

$$Vt = \frac{x^2 - \frac{[x]^2}{n}}{n}$$

$$Vt = \frac{4632 - \frac{356^2}{35}}{35}$$

$$Vt = \frac{4632 - \frac{126736}{35}}{35}$$

$$Vt = \frac{4632 - 3621.03}{35}$$

$$Vt = \frac{1010.97}{35}$$

$$Vt = 28.88$$

$$r = \left(\frac{k}{k-1} \right) \left(\frac{Vt - \sum pq}{Vt} \right)$$

$$r = \frac{40}{40-1} \left(\frac{28.88 - 6.96}{28.88} \right)$$

$$r = \frac{40}{39} \left(\frac{21.92}{28.88} \right)$$

$$r = 1.03$$

$$r = 0.77$$

**APPENDIX 2: THE RESULT OF PRE TEST AND POS TEST
EXPERIMENTAL AND CONTROL GROUP**

EXPERIMENTAL GROUP				CONTROL GROUP		
NO	STUDENTS' INITIAL	Pre test(t1)	Post Test(t2)	Students' Initial	Pre Test(t1)	Post Test(t2)
1	SD	62.5	90	DS	50	70
2	IM	37.5	80	RC	42.5	55
3	ES	55	82.5	SP	42.5	52.5
4	LRS	30	75	IP	37.5	60
5	ZAR	42.5	77.5	FF	30	40
6	TR	40	80	AG	20	50
7	MA	70	90	YU	30	40
8	EL	62.5	85	BE	35	47.5
9	FM	60	87.5	NA	17.5	35
10	IM	35	50	DW	30	57.5
11	RP	50	60	FR	50	67.5
12	NR	45	75	LS	40	62.5
13	TR	45	85	KR	50	70
14	CH	27.5	77.5	FS	37.5	52.5
15	TS	60	77.5	PT	45	55
16	RI	57.5	80	KRS	30	52.5
17	DA	52.5	70	BJ	47.5	60
18	TIS	25	60	ES	30	52.5
19	IA	50	80	AS	10	35
20	AM	60	82.5	AR	32.5	47.5
21	SR	72.5	80	YF	25	50
22	EJ	37.5	50	AN	47.5	55
23	RR	27.5	50	HLA	45	67.5
24	ASG	32.5	70	MDY	30	62.5
25	RA	27.5	77.5	GA	20	35
26	YS	82.5	90	JS	45	57.5
27	LL	72.5	92.5	SL	47.5	67.5
28	WW	32.5	75	RM	50	65
29	RIS	85	90	TS	15	55
30	ENG	27.5	75	PRS	42.5	60
	TOTAL	1465	2285		1042.5	1665
	MEAN	48.83	76.16		34.75	55.5

The result of Pre Test and Post Test of Experimental Group

No	Students' initial	Pre Test(t1)	Post Test(t2)	d(t2-t1)	d ²	d-Ma	da ²
1	SD	62.5	90	27.5	756.25	2.06	4.24
2	IM	37.5	80	42.5	1806.25	17.06	291.04
3	ES	55	82.5	27.5	756.25	2.06	4.24
4	LRS	30	75	45	2025	19.56	382.6
5	ZAR	42.5	77.5	35	1225	9.56	91.4
6	TR	40	80	40	1600	14.56	211.9
7	MA	70	90	20	400	-5.44	29.6
8	EL	62.5	85	22.5	506.25	-2.94	8.64
9	FM	60	87.5	27.5	756.25	2.06	4.24
10	IM	35	50	15	225	-10.44	108.9
11	RP	50	60	10	100	-15.44	238.4
12	NR	45	75	30	900	4.56	20.8
13	TR	45	85	32.5	1056.25	14.56	211.9
14	CH	27.5	77.5	50	2500	24.56	603.2
15	TS	60	77.5	17.5	306.25	-7.94	63.04
16	RI	57.5	80	22.5	506.25	-2.94	8.64
17	DA	52.5	70	17.5	306.25	-7.94	63.04
18	TIS	25	60	35	1225	9.56	91.4
19	IA	50	80	30	900	4.56	20.8
20	AM	60	82.5	22.5	506.25	-2.94	8.64
21	SR	72.5	80	7.5	56.25	-17.94	321.84
22	EJ	37.5	50	12.5	6.25	-22.94	526.24
23	RR	27.5	50	22.5	506.25	-2.94	8.64
24	ASG	32.5	70	37.5	1406.25	12.04	144.96
25	RA	27.5	77.5	50	2500	24.56	603.2
26	YS	82.5	90	7.5	56.25	-17.94	321.84
27	LL	72.5	92.5	20	400	-5.44	29.6
28	WW	32.5	75	42.5	1806.25	17.06	291.04
29	RIS	85	90	5	25	-20.44	417.8
30	ENG	27.5	75	47.5	2256.25	22.06	486.64
	TOTAL	1465	2295	820	27925		5618.46
	MEAN	48.83	76.16	27.33			

The result of Pre Test and Post Test of Control Group

No	Students' initial	Pre Test(t1)	Post Test(t2)	d(t2-t1)	d ²	d-Mb	db ²
1	DS	50	70	20	400	1.39	1.93
2	RC	42.5	55	12.5	156.25	-6.11	37.33
3	SP	42.5	52.5	10	100	-8.67	74.13
4	IP	37.5	60	30	900	11.39	129.73
5	FF	30	40	10	100	-8.67	74.13
6	AG	20	50	12.5	156.25	-6.11	37.33
7	YU	30	40	17.5	306.25	-1.11	1.23
8	BE	35	47.5	27.5	506.25	8.89	79.03
9	NA	17.5	35	17.5	306.25	-1.11	1.23
10	DW	30	57.5	22.5	756.25	3.89	15.13
11	FR	50	67.5	20	400	1.39	1.93
12	LS	40	62.5	15	225	-3.61	13.03
13	KR	50	70	10	100	-8.67	74.13
14	FS	37.5	52.5	22.5	506.25	3.89	15.13
15	PT	45	55	12.5	156.25	-6.11	37.33
16	KRS	30	52.5	12.5	156.25	-6.11	37.33
17	BJ	47.5	60	22.5	506.25	3.89	15.13
18	ES	30	52.5	25	625	6.39	40.83
19	AS	10	35	15	225	-3.61	13.03
20	AR	32.5	47.5	25	625	6.39	40.83
21	YF	25	50	7.5	56.25	-11.11	123.43
22	AN	47.5	55	22.5	506.25	3.89	15.13
23	HLA	45	67.5	32.5	1056.25	13.89	192.93
24	MDY	30	62.5	15	225	-3.61	13.03
25	GA	20	35	17.5	306.25	-1.11	1.23
26	JS	45	57.5	20	400	1.39	1.93
27	SL	47.5	67.5	15	225	-3.61	13.03
28	RM	50	65	40	1600	21.39	457.53
29	TS	15	55	17.5	306.25	-1.11	1.23
30	PRS	42.5	60	20	400	1.39	1.93
	TOTAL	1042.5	1665	560.5	12293.75		2056.17
	MEAN	34.75	55.5	18.67			

THE CALCULATION OF T-TEST

$$t = \frac{Ma - Mb}{\sqrt{\left[\frac{da^2 + db^2}{Na + Nb - 2} \right] \left[\frac{1}{Na} + \frac{1}{Nb} \right]}}$$

$$Ma : 27.33$$

$$Mb : 18.67$$

$$da^2 : 5618.46$$

$$db^2 : 2056.17$$

$$Na : 30$$

$$Nb : 30$$

$$t = \frac{27.33 - 18.67}{\sqrt{\left[\frac{5618.46 + 2056.17}{30 + 30 - 2} \right] \left[\frac{1}{30} + \frac{1}{30} \right]}}$$

$$t = \frac{8.66}{\sqrt{\left[\frac{7674.63}{58} \right] \left[\frac{2}{30} \right]}}$$

$$t = \frac{8.66}{\sqrt{[132.32][0.06]}}$$

$$t = \frac{8.66}{\sqrt{7.94}}$$

$$t = \frac{8.66}{2.82}$$

$$t = 3.07$$