

**APPENDIX 5**  
**Result of the Pretest and Posttest**

No	Student's Code	Pretest	Posttest	Gain
1	A	50	70	20
2	B	60	70	10
3	C	55	75	10
4	D	55	70	15
5	E	40	60	20
6	F	30	55	25
7	G	60	70	10
8	H	65	70	5
9	I	65	75	10
10	J	60	70	10
11	K	65	70	5
12	L	60	75	15
13	M	65	80	15
14	N	65	75	10
15	O	50	70	20
16	P	60	65	5
17	Q	65	70	5
18	R	60	85	25
19	S	80	85	5
20	T	40	60	20
21	U	80	85	5
22	V	60	65	5
23	W	60	65	5
24	X	55	75	20
25	Y	40	50	10
26	Z	65	80	15
27	AA	65	70	5
28	BB	40	55	15
29	CC	65	75	10
30	DD	60	65	5
31	EE	50	65	15
32	FF	50	65	15
33	GG	55	65	10
34	HH	70	85	15
Total		1970	2380	410
Mean		57.94	72.12	14.18