

# APPENDICES

## APPENDIX I

### Subjects of the Study

<b>Trial Group</b>	<b>Experimental Group</b>	<b>Control Group</b>
Agung Nursyaripudin	Agus Diana	Agus Kusdianto
Apriana	Asep Sukma G.	Ana Wardiana
Asep Sumayana	Cucu Cahyati	Aprilian Dwina
Dade Ratnasari	Dadan Priyana	Bayu Dwi P
Dian Wardiana	Diding Wahyu	Deden Surya
Didin Carsidin	Dimas Abdi B.	Dedi Haryanto
Dimas Ganjar P	Endah Kartika	Desi Nurjayanti
Eko Budi P	Herniasari	Desi Widiyasari
Eli Jaenudin	Ika Ropika	Dian Eka P
Eva Sri Wahyuni	Lili Herliana	Didin Warsidin
Gilang Ambari M	Masriah	Erna Martiana D
Iis Nopiasari	Nadya K.	Erni Martiani D
Iis Susilawati	Paisal Lesmana	Euis Santi W
Iman Muhammad P	Pajar Permana	Jajang A
Indra Lesmana	Patra Muh. S.	Mira Siti N
Irana Dewi Sari	Rian Aprianto	M. Amir
Nia Kurniawati	Riana Ratna P.S	M. Muksin
Toni	Ridwan Dwi N.	Nana Randiwan
Warso Irwan	Rio Ariyanto	Neni Rohaeni
Yana Suryana	Rizka Ma	Nursiti S
	Robbi Melisano	Opik T
	Satria Primadani	Ria Pradila
	Sri Puji Rahayu	Rian H
	Sri Wulan A.	Rizki Adi C
	Sugih Permana	Suci Amalia
	Susi Sukaesih	Surya Ramadani
	Taufik Manurul	Suci Susanti
	Uswatun H	Tardi
	Wiki Primadudin	Tarsudin
	Wiwin W	Trisna Umar S
	Yuli Kamelia	Yudi Hermawan

**The Validity of Collaborative Learning Aspect**

	CL1	CL2	CL3	CL4	CL5	CL6	CL7	CL8	CL9	CL10	CL11	CL12	TotalSc
Pearson Correlation	.371	.230	.230	.049	.211	.510(*)	.371	.334	-.089	.312	.147	.373	.524(*)
Sig. (2-tailed)	.107	.329	.329	.839	.372	.022	.107	.150	.708	.180	.537	.105	.018
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.371	.517(*)	.517(*)	.495(*)	.349	.372	.500(*)	.713(**)	-.069	.257	.395	.495(*)	.776(**)
Sig. (2-tailed)	.107	.020	.020	.026	.131	.107	.025	.000	.773	.275	.085	.026	.000
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.230	.517(*)	.517(*)	.488(*)	.379	.425	.000	.698(**)	.043	.261	.588(**)	.271	.750(**)
Sig. (2-tailed)	.329	.020	.020	.029	.099	.061	1.000	.001	.858	.267	.006	.248	.000
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.049	.495(*)	.488(*)	1	.313	.030	.437	.364	-.054	.110	.691(**)	.542(*)	.630(**)
Sig. (2-tailed)	.839	.026	.029	.000	.179	.900	.054	.115	.821	.644	.001	.014	.003
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.211	.349	.379	.313	1	.330	.087	.265	.126	.355	.276	.313	.571(**)
Sig. (2-tailed)	.372	.131	.099	.179	.000	.156	.714	.258	.596	.125	.238	.179	.009
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.510(*)	.372	.425	.030	.330	1	.171	.560(*)	-.094	.072	.136	.330	.553(*)
Sig. (2-tailed)	.022	.107	.061	.900	.156	.000	.470	.010	.692	.763	.569	.156	.011
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.371	.500(*)	.000	.437	.087	.171	1	.338	.069	.140	.000	.437	.470(*)
Sig. (2-tailed)	.107	.025	1.000	.054	.714	.470	.000	.146	.773	.556	1.000	.054	.036
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.334	.713(**)	.698(**)	.364	.265	.560(*)	.338	1	-.023	.362	.267	.265	.779(**)
Sig. (2-tailed)	.150	.000	.001	.115	.258	.010	.146	.000	.923	.116	.255	.258	.000
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	-.089	-.069	.043	-.054	.126	-.094	.069	-.023	1	.472(*)	-.218	.066	.204
Sig. (2-tailed)	.708	.773	.858	.821	.596	.692	.773	.923	.000	.035	.357	.782	.389
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.312	.257	.261	.110	.355	.072	.140	.362	.472(*)	1	.000	-.012	.511(*)
Sig. (2-tailed)	.180	.275	.267	.644	.125	.763	.556	.116	.035	.000	1.000	.959	.021
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.147	.395	.588(**)	.691(**)	.276	.136	.000	.267	-.218	.000	1	.276	.513(*)
Sig. (2-tailed)	.537	.085	.006	.001	.238	.569	1.000	.255	.357	1.000	.000	.238	.021
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.373	.495(*)	.271	.542(*)	.313	.330	.437	.265	.066	-.012	.276	1	.591(**)
Sig. (2-tailed)	.105	.026	.248	.014	.179	.156	.054	.258	.782	.959	.238	.000	.006
N	20	20	20	20	20	20	20	20	20	20	20	20	20
Pearson Correlation	.524(*)	.776(**)	.750(**)	.630(**)	.571(**)	.553(*)	.470(*)	.779(**)	.204	.511(*)	.513(*)	.591(**)	1
Sig. (2-tailed)	.018	.000	.000	.003	.009	.011	.036	.000	.389	.021	.021	.006	.000
N	20	20	20	20	20	20	20	20	20	20	20	20	20

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).



m14	Pearson Correlation Sig. (2-tailed) N	.523(*) .018 20	.587(**) .007 20	.218 .355 20	.554(*) .011 20	.207 .382 20	.193 .415 20	.174 .462 20	.329 .157 20	.548(*) .012 20	.176 .459 20	.227 .336 20	-0.096 .686 20
m15	Pearson Correlation Sig. (2-tailed) N	.398 .082 20	.424 .062 20	-.065 .787 20	.105 .660 20	.208 .378 20	.532(*) .016 20	.191 .419 20	.019 .935 20	.435 .056 20	.291 .213 20	-.049 .836 20	-.017 .943 20
m16	Pearson Correlation Sig. (2-tailed) N	.516(*) .020 20	.621(**) .003 20	.068 .776 20	.413 .070 20	.322 .167 20	.570(**) .009 20	.299 .201 20	.102 .668 20	.443 .051 20	.109 .646 20	.259 .270 20	.090 .706 20
m17	Pearson Correlation Sig. (2-tailed) N	-.074 .757 20	.341 .142 20	.132 .579 20	.187 .429 20	.075 .753 20	.198 .402 20	-.179 .449 20	-.106 .657 20	.305 .192 20	.043 .859 20	.192 .417 20	.035 .883 20
m18	Pearson Correlation Sig. (2-tailed) N	-.195 .410 20	.000 1.000 20	.293 .210 20	.099 .678 20	.092 .698 20	.043 .857 20	-.273 .244 20	-.049 .838 20	.049 .838 20	.314 .177 20	.034 .887 20	.043 .857 20
m19	Pearson Correlation Sig. (2-tailed) N	.278 .235 20	.109 .647 20	.145 .542 20	.324 .164 20	.110 .645 20	.333 .151 20	.162 .494 20	.160 .500 20	.349 .131 20	.373 .105 20	.583(**) .007 20	.051 .830 20
m20	Pearson Correlation Sig. (2-tailed) N	.068 20	.166 20	.111 20	.237 20	.217 20	.020 20	.738 20	.032 20	.037 20	.619 20	.006 20	.738(**) .000 20
m21	Pearson Correlation Sig. (2-tailed) N	.424 .062 20	.464(*) .040 20	.166 .485 20	.605(**) .005 20	.377 .101 20	.410 .072 20	.557(*) .011 20	.216 .360 20	.200 .399 20	.080 .737 20	.276 .239 20	.029 .902 20
m22	Pearson Correlation Sig. (2-tailed) N	.243 .302 20	.637(**) .003 20	-.053 .823 20	.411 .072 20	.475(*) .034 20	.156 .512 20	.414 .070 20	.070 .771 20	.145 .543 20	.069 .773 20	-.189 .426 20	-.203 .391 20
m23	Pearson Correlation Sig. (2-tailed) N	.584(**) .007 20	.430 .059 20	.321 .167 20	.615(**) .004 20	.600(**) .005 20	.288 .218 20	.657(**) .002 20	.603(**) .005 20	.410 .073 20	.044 .853 20	.455(*) .044 20	.077 .747 20
TotalSc	Pearson Correlation Sig. (2-tailed) N	.701(**) .001 20	.680(**) .001 20	.482(*) .031 20	.636(**) .003 20	.577(**) .008 20	.615(**) .004 20	.476(*) .034 20	.566(**) .009 20	.716(**) .000 20	.278 .235 20	.539(*) .014 20	.342 .140 20



m17	Pearson Correlation Sig. (2-tailed) N	.634(**) .003 20	.227 .336 20	.063 .793 20	1 394 20	.451(*) .046 20	214 364 20	.320 169 20	-.031 .898 20	.286 .222 20	-.059 .804 20	.344 137 20
m18	Pearson Correlation Sig. (2-tailed) N	.437 .054 20	.044 .853 20	.232 .325 20	.451(*) .046 20	1 396 20	.396 .084 20	.108 .652 20	.226 .337 20	.036 .879 20	.031 .896 20	.255 279 20
m19	Pearson Correlation Sig. (2-tailed) N	.496(*) .026 20	.157 .508 20	.413 .070 20	.214 .364 20	.396 .084 20	1 256 20	.256 .276 20	.404 .078 20	.130 .585 20	.410 .073 20	.544(*) .013 20
m20	Pearson Correlation Sig. (2-tailed) N	.372 .106 20	-.014 .952 20	.374 .104 20	.320 .169 20	.108 .652 20	.256 .276 20	1 268 20	.268 .253 20	-.012 .961 20	.334 .150 20	.625(**) .003 20
m21	Pearson Correlation Sig. (2-tailed) N	.216 .360 20	.506(*) .240 20	.630(**) .308 20	-.031 .898 20	.226 .337 20	.404 .078 20	.268 .253 20	1 403 20	.198 .403 20	.660(**) .002 20	.633(**) .003 20
m22	Pearson Correlation Sig. (2-tailed) N	.439 .053 20	.439 .053 20	.431 .058 20	.286 .222 20	.036 .879 20	.130 .585 20	-.012 .961 20	.198 .403 20	1 .261 20	.264 .261 20	.458(*) .042 20
m23	Pearson Correlation Sig. (2-tailed) N	.176 .459 20	.421 .315 20	.414 .069 20	-.059 .804 20	.031 .896 20	.410 .073 20	.334 .150 20	.660(**) .002 20	.264 .261 20	1 20 20	.727(**) .000 20
TotalSc	Pearson Correlation Sig. (2-tailed) N	.581(**) .007 20	.618(**) .032 20	.704(**) .001 20	.344 .137 20	.255 .279 20	.544(*) .013 20	.625(**) .003 20	.633(**) .003 20	.458(*) .042 20	.727(**) .000 20	1 20 20

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

## ANGKET PENELITIAN

NAMA : \_\_\_\_\_

KELAS : \_\_\_\_\_

NO	PERTANYAAN	JAWABAN				
		Sangat Setuju	Setuju	Ragu - ragu	Tidak Setuju	Sangat Tidak Setuju
1.	Saya berbicara dalam bahasa Inggris di kelas dengan sukarela.					
2.	Saya berbicara dalam bahasa Inggris di kelas <u>hanya jika</u> disuruh teman/guru.					
3.	Saya berbicara dalam bahasa Inggris karena takut dimarahi guru.					
4.	Saya berbicara dalam bahasa Inggris karena ingin dipuji guru/teman.					
5.	Saya <u>hanya mau</u> berbicara dalam bahasa Inggris saat <u>tes speaking</u> saja .					
6.	Saya relajar speaking karena ingin mengasah kemampuan bahasa Inggris saya.					
7.	Saya berbicara bahasa Inggris <u>hanya jika</u> topiknya saya kuasai.					
8.	Saya <u>tidak pernah</u> berbicara bahasa Inggris karena saya takut salah.					
9.	Saya <u>tidak pernah</u> berbicara bahasa Inggris karena saya <u>malas</u> berbicara bahasa Inggris.					
10.	Saya mempunyai waktu khusus untuk belajar speaking di luar kelas.					
11.	Nilai speaking saya yang tidak memuaskan membuat saya tidak semangat belajar.					
12.	Saya belajar speaking agar bisa mendukung karir saya di masa depan.					
13.	Saya senang jika dapat belajar speaking lebih lama.					
14.	Saya mendapat nilai speaking yang baik.					
15.	Saya tidak mengulang apa yang telah saya dapat pada pelajaran speaking setibanya di rumah.					
16.	Saya tidak melakukan persiapan apapun sebelum pelajaran speaking.					
17.	Saya belajar speaking semata-mata karena termasuk dalam kurikulum.					
18.	Saya tetap semangat belajar speaking meskipun nilai speaking saya tidak bagus.					
19.	Saya selalu berusaha meningkatkan kemampuan speaking saya.					
20.	Saya merasa tidak perlu belajar speaking karena tidak menunjang cita-cita saya.					
21.	Saya <u>menyukai</u> pelajaran berbicara bahasa Inggris.					
22.	Saya <u>mampu dan menguasai</u> berbicara bahasa Inggris dengan baik.					
23.	Saya <u>sering</u> berbicara menggunakan bahasa Inggris di					



## ANGKET PENELITIAN

NAMA : \_\_\_\_\_  
 KELAS : \_\_\_\_\_

## Petunjuk Pengisian

1. Melalui angket ini kamu diminta untuk memberikan pandangan kamu secara sungguh-sungguh terhadap pelajaran *speaking*.
2. Setiap jawaban yang kamu berikan tidak berpengaruh terhadap nilai bahasa Inggris kamu.
3. Kamu diharapkan menjawab dengan sejujur-jujurnya.
4. Berilah tanda checklist (✓) pada kolom yang telah disediakan, sesuai yang kamu alami.

NO	PERTANYAAN	JAWABAN				
		Sangat Setuju	Setuju	Ragu - ragu	Tidak Setuju	Sangat Tidak Setuju
1.	Saya <u>tidak menyukai</u> berbicara menggunakan bahasa Inggris di depan kelas (banyak orang).					
2.	Saya <u>hanya</u> berbicara menggunakan bahasa Inggris <u>saat di depan beberapa orang yang saya kenal saja</u> .					
3.	Saya <u>senang berbicara</u> menggunakan bahasa Inggris <u>dengan setiap orang</u> .					
4.	Saya <u>hanya</u> berbicara bahasa Inggris dengan <u>teman dekat</u> saja.					
5.	Saya <u>senang</u> jika dapat berbicara bahasa Inggris di depan banyak orang.					
6.	Saya menyukai belajar dalam kelas besar.					
7.	Saya menyukai belajar dalam kelompok kecil.					
8.	Saya memiliki kelompok belajar.					
9.	Saya lebih menyukai memilih sendiri anggota kelompok belajar saya.					
10.	Saya menyukai guru memilih anggota kelompok belajar.					
11.	Saya pernah mendengar tentang belajar dalam kelompok kecil ( <i>Collaborative Learning</i> )					
12.	Saya lebih termotivasi untuk berbicara bahasa Inggris saat guru menggunakan metode <i>Collaborative Learning</i> .					

Thanks



Alasan:

1. ....  
.....
2. ....  
.....
3. ....  
.....
4. ....  
.....
5. ....  
.....
6. ....  
.....
7. ....  
.....
8. ....  
.....
9. ....  
.....
10. ....  
.....
11. ....  
.....



**APPENDIX II**

**THE SCORE OF COLLABORATIVE LEARNING INSTRUMENT  
IN TRY-OUT CLASS**

Name	Collaborative Learning Aspects												Total Score
	1	2	3	4	5	6	7	8	9	10	11	12	
Agung Nursyaripudin	4	2	2	2	4	4	3	2	4	4	2	3	<b>36</b>
Apriana	4	4	3	3	3	4	4	4	2	3	3	3	<b>40</b>
Asep Sumayana	3	3	3	3	3	3	4	3	4	4	2	3	<b>38</b>
Dade Ratnasari	4	4	4	3	4	4	4	4	3	3	3	4	<b>44</b>
Dian Wardiana	4	3	4	3	4	3	3	3	3	4	3	3	<b>40</b>
Didin Carsidin	3	3	3	3	3	3	3	2	3	2	3	3	<b>34</b>
Dimas Ganjar P	3	3	4	3	4	4	3	4	4	4	3	2	<b>41</b>
Eko Budi P	5	4	4	4	4	4	4	4	3	4	4	4	<b>48</b>
Eli Jaenudin	4	4	4	3	4	3	3	4	4	5	3	3	<b>44</b>
Eva Sri Wahyuni	3	3	4	4	4	3	3	3	2	4	4	3	<b>40</b>
Gilang Ambari M	4	3	4	3	4	4	3	3	2	3	3	3	<b>39</b>
Iis Nopiasari	4	3	3	3	4	3	4	2	4	4	2	3	<b>39</b>
Iis Susilawati	4	3	4	4	3	3	4	3	4	4	4	3	<b>43</b>
Iman Muhamad P	4	3	4	4	4	4	4	4	3	3	3	4	<b>44</b>
Indra Lesmana	4	2	2	2	2	3	3	2	2	3	2	2	<b>29</b>
Irana Dewi Sari	4	3	4	3	4	4	3	2	3	3	4	3	<b>40</b>
Nia Kurniawati	5	4	5	3	4	5	4	5	3	5	3	3	<b>49</b>
Toni	4	4	3	4	4	4	4	3	3	4	3	4	<b>44</b>
Warso Irwan	4	3	2	3	4	3	4	2	3	4	3	3	<b>38</b>
Yana Suryana	4	3	4	3	3	4	3	3	4	4	3	4	<b>42</b>
<b>Total</b>	<b>348</b>					<b>204</b>			<b>137</b>		<b>123</b>		<b>812</b>
<b>Mean</b>	<b>11.60</b>					<b>6.80</b>			<b>4.57</b>		<b>4.10</b>		<b>27.07</b>



## Frequencies

## Statistics

	CL1	CL2	CL3	CL4	CL5	CL6	CL7	CL8	CL9	CL10	CL11	CL12	CL13	CL14	CL15	Totals
N Valid	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	2.75	2.60	3.85	4.10	2.95	3.95	3.10	3.75	3.95	3.05	3.15	3.10	3.70	3.80	2.50	50.30
Std. Error of Mean	.190	.222	.182	.204	.185	.185	.191	.176	.153	.185	.221	.176	.231	.172	.199	.269
Median	3.00	2.00	4.00	4.00	3.00	4.00	3.00	4.00	4.00	3.00	3.00	3.00	4.00	4.00	3.00	19.00
Mode	3	2	4	4	3	4	3	4	4	3	3 <sup>a</sup>	3	4	4	3	56
Std. Deviation	.851	.995	.813	.912	.826	.826	.852	.786	.686	.826	.988	.788	.031	.768	.889	5.676
Variance	.724	.989	.661	.832	.682	.682	.726	.618	.471	.682	.976	.621	.063	.589	.789	2.221
Range	4	3	3	4	3	3	3	3	2	3	4	2	3	3	3	21
Minimum	1	1	2	1	2	2	1	2	3	1	1	2	2	2	1	41
Maximum	5	4	5	5	5	5	4	5	5	4	5	4	5	5	4	62

<sup>a</sup>Multiple modes exist. The smallest value is shown

## Frequency Table

## CL1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	2	10.0	10.0	10.0
2	3	15.0	15.0	25.0
3	14	70.0	70.0	95.0
5	1	5.0	5.0	100.0
Total	20	100.0	100.0	

## CL2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	2	10.0	10.0	10.0
2	9	45.0	45.0	55.0
3	4	20.0	20.0	75.0
4	5	25.0	25.0	100.0
Total	20	100.0	100.0	

## CL3

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 2	2	10.0	10.0	10.0
3	2	10.0	10.0	20.0
4	13	65.0	65.0	85.0
5	3	15.0	15.0	100.0
Total	20	100.0	100.0	

CL4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	5.0	5.0	5.0
	3	1	5.0	5.0	10.0
	4	12	60.0	60.0	70.0
	5	6	30.0	30.0	100.0
	Total	20	100.0	100.0	

CL5

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	6	30.0	30.0	30.0
	3	10	50.0	50.0	80.0
	4	3	15.0	15.0	95.0
	5	1	5.0	5.0	100.0
	Total	20	100.0	100.0	

CL6

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	5.0	5.0	5.0
	3	4	20.0	20.0	25.0
	4	10	50.0	50.0	75.0
	5	5	25.0	25.0	100.0
	Total	20	100.0	100.0	

CL7

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	5.0	5.0	5.0
	2	3	15.0	15.0	20.0
	3	9	45.0	45.0	65.0
	4	7	35.0	35.0	100.0
	Total	20	100.0	100.0	

CL8

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	2	10.0	10.0	10.0
	3	3	15.0	15.0	25.0
	4	13	65.0	65.0	90.0
	5	2	10.0	10.0	100.0
	Total	20	100.0	100.0	

CL9

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	5	25.0	25.0	25.0
	4	11	55.0	55.0	80.0
	5	4	20.0	20.0	100.0
	Total	20	100.0	100.0	

CL10

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	5.0	5.0	5.0
	2	3	15.0	15.0	20.0
	3	10	50.0	50.0	70.0
	4	6	30.0	30.0	100.0
	Total	20	100.0	100.0	

CL11

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	5.0	5.0	5.0
	2	4	20.0	20.0	25.0
	3	7	35.0	35.0	60.0
	4	7	35.0	35.0	95.0
	5	1	5.0	5.0	100.0
	Total	20	100.0	100.0	

CL12

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	5	25.0	25.0	25.0
	3	8	40.0	40.0	65.0
	4	7	35.0	35.0	100.0
	Total	20	100.0	100.0	

CL13

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	4	20.0	20.0	20.0
	3	2	10.0	10.0	30.0
	4	10	50.0	50.0	80.0
	5	4	20.0	20.0	100.0
	Total	20	100.0	100.0	



CL14

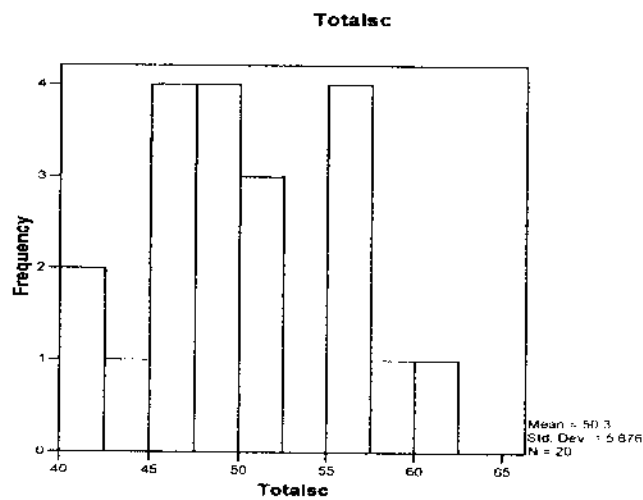
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	5.0	5.0	5.0
	3	5	25.0	25.0	30.0
	4	11	55.0	55.0	85.0
	5	3	15.0	15.0	100.0
	Total	20	100.0	100.0	

CL15

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	3	15.0	15.0	15.0
	2	6	30.0	30.0	45.0
	3	9	45.0	45.0	90.0
	4	2	10.0	10.0	100.0
	Total	20	100.0	100.0	

Totalsc

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	41	1	5.0	5.0	5.0
	42	1	5.0	5.0	10.0
	44	1	5.0	5.0	15.0
	46	2	10.0	10.0	25.0
	47	2	10.0	10.0	35.0
	48	2	10.0	10.0	45.0
	49	2	10.0	10.0	55.0
	50	1	5.0	5.0	60.0
	52	2	10.0	10.0	70.0
	56	3	15.0	15.0	85.0
	57	1	5.0	5.0	90.0
	58	1	5.0	5.0	95.0
	62	1	5.0	5.0	100.0
	Total	20	100.0	100.0	



### Descriptives

#### Descriptive Statistics

	N	Range	Minimum	Maximum	Mean		Std.	Variance
	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic
CL1	20	4	1	5	2.75	.190	.851	.724
CL2	20	3	1	4	2.60	.222	.995	.989
CL3	20	3	2	5	3.85	.182	.813	.661
CL4	20	4	1	5	4.10	.204	.912	.832
CL5	20	3	2	5	2.95	.185	.826	.682
CL6	20	3	2	5	3.95	.185	.826	.682
CL7	20	3	1	4	3.10	.191	.852	.726
CL8	20	3	2	5	3.75	.176	.786	.618
CL9	20	2	3	5	3.95	.153	.686	.471
CL10	20	3	1	4	3.05	.185	.826	.682
CL11	20	4	1	5	3.15	.221	.988	.976
CL12	20	2	2	4	3.10	.176	.788	.621
CL13	20	3	2	5	3.70	.231	1.031	1.063
CL14	20	3	2	5	3.80	.172	.768	.589
CL15	20	3	1	4	2.50	.199	.889	.789
<b>Totalsc</b>	20	21	41	62	50.30	1.269	5.676	32.221
Valid N (listwise)	20							

**THE Z SCORE OF MOTIVATIONAL INSTRUMENT IN TRY-OUT CLASS**

S	Zm1	Zm2	Zm3	Zm4	Zm5	Zm6	Zm7	Z8	Zm9	Zm10	Zm11	Zm12
1	-1.25139	-0.62025	-0.82375	-1.00294	-1.40466	-0.80136	-1.25139	-1.7361	-0.74404	-0.79582	-0.17141	0.07285
2	1.38312	1.15189	-0.82375	0.66862	1.71681	-0.80136	1.38312	0.74404	-0.74404	0.53055	-0.17141	0.07285
3	-1.25139	1.15189	-0.82375	0.66862	0.15607	-0.80136	-1.25139	-0.90938	-0.74404	-0.79582	-1.31414	-1.38417
4	1.38312	-0.62025	-0.82375	-1.00294	-1.40466	2.11268	0.06586	0.74404	0.90938	-0.79582	-0.17141	1.52987
5	0.06586	-0.62025	0.82375	0.66862	0.15607	0.65566	0.06586	-0.08267	0.90938	0.53055	-0.17141	1.52987
6	-1.25139	-0.62025	-0.82375	-1.00294	0.15607	-0.80136	0.06586	-1.7361	-0.74404	0.53055	-0.17141	-1.38417
7	0.06586	0.26582	0.82375	-2.6745	0.15607	-0.80136	-1.25139	-0.08267	0.90938	0.53055	-0.17141	0.07285
8	1.38312	1.15189	0.82375	0.66862	0.15607	0.65566	0.06586	0.74404	0.90938	-0.79582	2.11406	0.07285
9	0.06586	0.26582	0.82375	0.66862	-1.40466	0.65566	0.06586	-0.08267	0.90938	0.53055	-0.17141	-1.38417
10	0.06586	-1.50632	-2.47126	-1.00294	-1.40466	-0.80136	0.06586	-0.90938	-0.74404	0.53055	-0.17141	-1.38417
11	0.06586	1.15189	0.82375	0.66862	0.15607	0.65566	0.06586	0.74404	0.90938	-0.79582	-0.17141	0.07285
12	0.06586	-0.62025	0.82375	0.66862	0.15607	-0.80136	-1.25139	0.74404	0.90938	1.85682	0.97132	0.07285
13	0.06586	1.15189	-0.82375	0.66862	0.15607	0.65566	1.38312	-0.90938	-0.74404	-0.79582	-1.31414	-1.38417
14	1.38312	1.15189	0.82375	0.66862	0.15607	0.65566	1.38312	0.74404	0.90938	0.53055	0.97132	0.07285
15	-1.25139	-1.50632	0.82375	-1.00294	-1.40466	-0.80136	-1.25139	0.74404	-2.99747	0.53055	-2.45688	0.07285
16	0.06586	-1.50632	-0.82375	0.66862	0.15607	-0.80136	1.38312	0.74404	-0.74404	-2.12219	0.97132	0.07285
17	0.06586	1.15189	0.82375	0.66862	1.71681	2.11268	0.06586	-0.08267	0.90938	1.85682	0.97132	1.52987
18	1.38312	0.26582	0.82375	0.66862	1.71681	-0.80136	1.38312	1.57075	0.90938	0.53055	-0.17141	0.07285
19	-1.25139	-0.62025	-0.82375	-1.00294	0.15607	-0.80136	-1.25139	-1.7361	-0.74404	-0.79582	-0.17141	0.07285
20	-1.25139	-0.62025	0.82375	0.66862	0.15607	0.65566	0.06586	0.74404	-0.74404	-0.79582	0.97132	1.52987

**THE Z SCORE OF MOTIVATIONAL INSTRUMENT IN TRY-OUT CLASS**

S	Zm13	Zm14	Zm15	Zm16	Zm17	Zm18	Zm19	Z20	Z21	Z22	Z23	z total Score
1	-0.4697	0	-1.26711	-1.17432	1.06554	-0.56273	-0.66862	0.06056	-0.3823	-1.04586	-2.06456	-1.41518
2	-0.4697	0	0.22361	0.39144	-0.45666	-1.88819	-0.66862	0.06056	-0.3823	1.41499	0.05294	0.3669
3	0.8723	1.25831	0.22361	0.39144	1.06554	0.56273	-0.66862	0.06056	-0.3823	1.41499	0.05294	-0.15724
4	0.8723	0	1.71432	0.39144	-0.45666	-1.88819	-0.66862	1.27184	-0.3823	-1.04586	0.05294	0.15724
5	-0.4697	0	0.22361	0.39144	-0.45666	0.56273	-0.66862	0.06056	-0.3823	0.18456	-1.00581	0.15724
6	-1.81169	-1.25831	0.22361	-1.17432	-1.97885	-1.68819	-0.66862	-2.36198	-0.3823	-1.04586	0.05294	-1.62484
7	0.8723	-1.25831	0.22361	-1.17432	1.06554	0.56273	-0.66862	0.06056	-2.2938	0.18456	-1.00581	-0.3669
8	0.8723	1.25831	0.22361	1.9572	-0.45666	0.56273	1.00294	1.27184	1.5292	-1.04586	1.11168	1.31036
9	0.8723	0	0.22361	0.39144	1.06554	0.56273	1.00294	-1.15071	-0.3823	0.18456	0.05294	0.26207
10	0.8723	0	0.22361	0.39144	-0.45666	0.56273	1.00294	-1.15071	-0.3823	0.18456	-1.00581	-0.78621
11	-0.4697	1.25831	0.22361	0.39144	-0.45666	-1.88819	-0.66862	0.06056	-0.3823	1.41499	0.05294	0.3669
12	-0.4697	1.25831	0.22361	-1.17432	1.06554	0.56273	1.00294	0.06056	-0.3823	-1.04586	0.05294	0.3669
13	0.8723	0	1.71432	0.39144	1.06554	0.56273	-0.66862	-1.15071	1.5292	1.41499	0.05294	0.26207
14	-0.4697	1.25831	-1.26711	0.39144	-0.45666	-0.56273	1.00294	1.27184	1.5292	0.18456	1.11168	1.1007
15	-1.81169	-1.25831	-1.26711	-1.17432	-1.97885	0.56273	-0.66862	-1.15071	-0.3823	-1.04586	-1.00581	-1.62484
16	-0.4697	-1.25831	-1.26711	-1.17432	-0.45666	-0.56273	1.00294	0.06056	-0.3823	0.18456	1.11168	-0.3669
17	2.21429	0	1.71432	1.9572	1.06554	1.88819	2.6745	1.27184	1.5292	1.41499	1.11168	2.14896
18	-0.4697	1.25831	0.22361	0.39144	-0.45666	0.56273	-0.66862	0.06056	1.5292	0.18456	2.17043	1.1007
19	-0.4697	-1.25831	-1.26711	0.39144	-0.45666	0.56273	-0.66862	0.06056	-0.3823	-1.04586	-1.00581	-1.20553
20	-0.4697	-1.25831	-1.26711	-1.17432	1.06554	0.56273	-0.66862	1.27184	-0.3823	-1.04586	0.05294	-0.05241

**THE Z SCORE OF COLLABORATIVE LEARNING INSTRUMENT IN TRY-OUT CLASS**

S	CL1	CL2	CL3	CL4	CL5	CL6	CL7	CL8	CL9	CL10	CL11	CL12	TOTAL
1	-0.10966	-1.15071	0.06056	-0.11734	0.31791	0.07285	-0.06056	0.86025	1.14203	0.29095	0.26049	0.56273	0.29949
2	-0.10966	1.27184	-2.36198	1.05604	-2.22534	0.07285	1.15071	0.86025	-1.39582	-1.64873	-2.34445	-0.56273	-1.10987
3	0.98694	2.48311	-1.15071	1.05604	-0.95372	-1.38417	1.15071	-0.15181	1.14203	0.29095	0.26049	0.56273	1.18033
4	0.98694	-1.15071	1.27184	-0.11734	0.31791	1.52987	1.15071	0.86025	-0.12689	-1.64873	-1.04198	-0.56273	-0.22902
5	-0.10966	0.06056	1.27184	-0.11734	0.31791	1.52987	-0.06056	-0.15181	-0.12689	1.26079	1.56296	0.56273	1.00416
6	-1.20626	0.06056	-1.15071	-0.11734	-0.95372	-1.38417	-0.06056	-1.16387	-1.39582	-1.64873	-1.04198	-1.68819	-1.63837
7	0.98694	0.06056	0.06056	-1.29071	0.31791	0.07285	-0.06056	0.86025	1.14203	0.29095	0.26049	-0.56273	0.29949
8	-0.10966	-1.15071	0.06056	-2.46409	0.31791	0.07285	-0.06056	0.86025	-0.12689	0.29095	0.26049	-0.56273	-0.40519
9	0.98694	-1.15071	1.27184	1.05604	1.58953	-1.38417	-0.06056	0.86025	1.14203	1.26079	1.56296	0.56273	1.3565
10	-3.39946	-1.15071	0.06056	1.05604	0.31791	-1.38417	-0.06056	-2.17592	-1.39582	1.26079	0.26049	0.56273	-1.4622
11	-0.10966	0.06056	0.06056	-0.11734	0.31791	0.07285	-0.06056	-0.15181	-1.39582	-1.64873	-1.04198	0.56273	-0.22902
12	-0.10966	0.06056	-1.15071	-1.29071	0.31791	0.07285	1.15071	-1.16387	1.14203	0.29095	0.26049	-1.68819	-0.40519
13	0.98694	0.06056	0.06056	1.05604	-0.95372	-1.38417	1.15071	-0.15181	1.14203	0.29095	0.26049	0.56273	1.00416
14	-0.10966	0.06056	0.06056	1.05604	0.31791	0.07285	-1.27184	-1.16387	-0.12689	-0.67889	-1.04198	1.68819	-0.75753
15	-0.10966	-1.15071	1.27184	-0.11734	-2.22534	0.07285	-2.48311	0.86025	-1.39582	0.29095	0.26049	-0.56273	-0.75753
16	-0.10966	0.06056	0.06056	1.05604	0.31791	0.07285	-1.27184	-1.16387	-0.12689	-0.67889	0.26049	-0.56273	-0.58136
17	0.98694	1.27184	1.27184	-0.11734	0.31791	1.52987	1.15071	1.8723	-0.12689	1.26079	1.56296	0.56273	2.06118
18	-0.10966	1.27184	-1.15071	-1.29071	0.31791	0.07285	-0.06056	-0.15181	-0.12689	0.29095	-1.04198	-1.68819	-0.58136
19	-0.10966	0.06056	0.06056	-0.11734	0.31791	0.07285	-1.27184	-0.15181	-0.12689	0.29095	0.26049	0.56273	-0.05285
20	-0.10966	0.06056	0.06056	-0.11734	1.58953	1.52987	-0.06056	-0.15181	1.14203	0.29095	0.26049	1.68819	1.00416

### APPENDIX III

#### The Pre-questionnaire Score of Collaborative Learning Instrument in Control Group

S	1					Ttl	2			Ttl	3	Ttl	4		Ttl	Ttl Sc
1	3	2	3	4	4	16	2	4	4	10	3	3	4	1	5	34
2	3	3	3	4	2	15	3	3	2	8	5	5	2	2	4	32
3	3	3	2	4	3	15	2	2	2	6	2	2	2	2	4	27
4	3	2	3	2	2	12	1	3	5	9	5	5	4	2	6	32
5	3	2	2	3	3	13	3	3	5	11	5	5	1	2	3	32
6	3	3	3	3	3	15	3	3	4	10	5	5	3	2	5	35
7	3	2	1	1	2	9	3	2	2	7	4	4	2	4	6	26
8	4	3	2	3	4	16	2	3	4	9	5	5	2	3	5	35
9	4	3	3	3	1	14	3	3	3	9	5	5	2	4	6	34
10	3	1	1	1	2	8	1	2	4	7	4	4	2	3	5	24
11	4	4	4	4	4	20	4	3	5	12	4	4	3	3	6	42
12	4	2	3	4	2	15	2	3	4	9	4	4	4	4	8	36
13	4	3	4	3	4	18	3	3	3	9	4	4	3	3	6	37
14	3	2	3	3	2	13	4	2	3	9	2	2	2	2	4	28
15	3	3	3	3	3	15	3	3	3	9	4	4	3	4	7	35
16	3	3	3	3	2	14	3	2	2	7	5	5	2	1	3	29
17	3	3	2	1	2	11	3	3	4	10	3	3	3	3	6	30
18	3	2	1	3	2	11	3	2	2	7	4	4	3	3	6	28
19	3	3	1	3	2	12	1	2	4	7	4	4	2	3	5	28
20	3	2	2	1	2	10	3	2	3	8	4	4	3	2	5	27
21	4	3	3	3	1	14	4	1	3	8	3	3	3	2	5	30
22	5	3	4	3	3	18	4	1	4	9	4	4	3	2	5	36
23	3	2	2	3	3	13	2	4	2	8	4	4	2	1	3	28
24	4	2	2	4	2	14	2	2	4	8	4	4	4	4	8	34
25	4	3	3	3	3	16	3	3	2	8	4	4	2	5	7	35
26	3	3	3	3	3	15	3	4	3	10	4	4	3	2	5	34
27	3	3	1	5	2	14	5	2	5	12	3	3	3	5	8	37
28	4	4	3	5	3	19	2	5	3	10	5	5	5	2	7	41
29	5	2	4	2	2	15	2	2	2	6	5	5	4	4	8	34
30	3	3	2	4	2	14	4	2	5	11	3	3	3	5	8	36
	103	79	76	91	75	424	83	79	101	263	120	120	84	85	169	976
Mean						14				8.8		4			5.63	32.53

- Where :
- 1 = Speaking act
  - 2 = Learning style
  - 3 = The way of choosing group member
  - 4 = Collaborative understanding

The Score of Pre-questionnaire Motivational Instrument in Control Group

S	Initiation			TU	Direction										TU	Intensity			TH	Persistence			TH	Total Sc								
	1	2	3		1	2	3	4	5	6	7	8	9	10		11	12	13		14	15	16			17	18	19	20	21	22	23	24
1	2	3	2	7	1	3	3	2	3	2	3	2	3	3	3	20	3	3	3	9	3	3	3	3	3	3	15	50				
2	2	3	2	7	1	4	4	4	1	4	4	1	4	4	5	27	3	4	2	9	4	2	2	4	2	14	57					
3	3	1	3	7	3	4	4	4	2	4	4	4	4	5	30	2	3	3	8	4	3	4	4	3	18	63						
4	2	4	4	10	2	2	4	2	4	2	4	2	4	4	24	4	4	2	10	2	2	4	2	4	14	58						
5	3	3	3	8	3	4	4	4	4	4	4	4	4	4	31	3	3	3	9	3	4	3	3	3	16	65						
6	3	4	4	11	3	3	2	4	2	4	4	4	4	4	26	4	2	4	10	3	4	3	3	3	16	63						
7	3	1	3	7	3	4	4	3	2	2	3	2	3	3	24	3	3	3	9	3	2	3	3	3	14	54						
8	4	4	1	9	3	2	2	3	4	5	5	4	2	4	28	5	4	2	11	2	4	3	4	4	17	65						
9	4	3	3	10	5	5	4	4	2	3	5	5	3	5	33	2	3	3	8	5	3	4	3	4	19	70						
10	5	5	3	13	3	5	3	4	2	4	4	5	4	5	30	3	3	5	11	3	3	3	3	5	17	71						
11	2	2	2	6	5	3	1	3	2	3	3	3	3	1	21	3	3	1	7	3	3	2	3	3	14	48						
12	4	4	2	10	2	4	3	4	3	4	3	4	5	5	30	3	2	3	8	5	3	4	4	3	19	67						
13	4	4	4	12	3	4	3	4	2	4	4	4	4	5	29	1	1	2	4	5	3	4	4	4	3	19	64					
14	4	5	5	14	3	4	3	4	3	4	4	4	4	3	28	2	1	4	7	3	3	4	4	4	3	17	66					
15	4	1	3	8	3	3	2	3	1	2	1	3	1	3	18	2	1	3	6	1	5	1	4	4	3	14	46					
16	4	5	3	12	3	4	2	3	4	5	5	3	4	5	29	3	4	5	12	2	1	3	4	4	14	67						
17	3	1	3	7	3	3	2	4	2	4	4	4	4	4	26	4	2	3	9	3	4	3	3	3	16	58						
18	3	3	2	8	3	4	4	4	4	4	4	4	4	4	31	3	3	1	7	3	4	3	3	3	16	62						
19	3	2	2	7	3	3	4	4	2	4	4	4	4	4	28	3	2	2	7	4	4	2	4	4	18	60						
20	4	3	2	9	3	4	2	3	4	5	5	3	3	3	28	3	4	1	8	2	1	3	4	4	14	60						
21	2	3	4	9	1	4	4	4	1	4	4	4	5	5	27	3	4	4	11	4	2	2	2	4	14	61						
22	5	3	4	12	3	5	2	2	1	4	4	3	4	3	24	2	2	4	8	1	4	4	4	1	14	58						
23	4	3	4	11	3	4	2	3	4	5	5	3	3	3	29	3	4	4	11	2	1	3	4	4	14	65						
24	3	3	3	9	3	3	2	4	2	4	4	4	4	4	26	4	2	3	9	3	4	3	3	3	16	60						
25	2	4	4	10	5	3	1	3	2	3	3	2	3	2	21	3	3	2	8	3	3	2	3	3	14	53						
26	5	5	2	12	3	5	3	4	4	4	4	4	4	2	29	4	1	4	9	4	5	5	5	4	23	73						
27	3	3	3	9	3	3	2	4	2	4	4	4	4	4	26	4	2	3	9	3	4	3	4	3	16	60						
28	2	5	4	11	1	4	4	4	1	4	4	4	5	5	27	3	4	5	12	4	2	2	4	2	14	64						
29	3	5	4	12	3	3	2	4	2	4	4	4	4	4	26	4	2	3	9	3	4	3	4	3	16	63						
30	2	4	2	8	5	3	1	3	2	3	3	3	1	2	21	3	3	2	8	3	3	2	3	3	14	51						
97	99	90	88	286	88	109	83	105	74	112	118	109	109	798	92	82	89	263	93	93	90	107	93	476	1822	60.7						

The Score of Pre-questionnaire Motivational Instrument in Experimental Group

S	Initiation			TU	Direction					TU	Intensity		TU	Persistence			TU	Total Sc					
1	3	2	3	8	3	3	2	3	3	3	24	3	2	3	8	3	3	4	17	57			
2	4	1	3	8	5	3	3	4	3	3	28	4	4	2	10	4	3	3	2	13	59		
3	4	5	4	13	3	3	3	5	1	4	26	4	1	4	9	2	4	3	5	3	17	65	
4	4	3	3	10	3	4	4	4	2	4	28	4	2	3	9	2	4	3	3	3	15	62	
5	4	5	3	12	4	4	2	1	1	3	23	2	1	1	4	2	3	4	3	2	14	53	
6	3	4	4	11	3	3	3	2	3	3	24	3	3	3	9	3	3	3	3	3	15	59	
7	3	3	3	9	3	4	3	3	2	3	23	3	1	3	7	3	3	3	4	4	17	56	
8	2	4	2	8	3	3	2	4	2	4	26	2	2	4	8	3	2	4	4	4	17	59	
9	3	3	5	11	5	4	4	5	1	5	32	5	5	5	15	3	2	3	3	3	14	72	
10	3	3	3	9	4	4	4	4	5	4	33	3	3	3	9	3	3	3	4	16	67		
11	3	3	3	9	3	3	3	3	3	3	24	3	3	3	9	3	3	3	3	3	15	57	
12	4	5	3	12	1	4	3	4	2	5	23	1	1	5	7	2	3	3	4	3	15	57	
13	3	3	4	10	3	3	3	3	2	3	25	3	3	3	4	10	3	3	3	3	15	60	
14	2	5	4	11	4	4	3	4	2	4	29	2	3	3	8	3	2	3	2	1	11	59	
15	4	4	3	11	3	3	2	4	2	3	23	2	3	4	9	3	4	4	3	4	18	61	
16	4	4	3	11	4	3	4	4	3	5	33	4	3	4	10	3	4	3	2	3	15	69	
17	4	3	3	10	3	4	3	3	2	3	24	3	3	3	9	3	3	3	3	3	15	58	
18	5	5	3	13	4	5	4	4	1	5	31	3	1	3	7	3	2	3	4	3	15	66	
19	4	3	3	10	3	3	3	4	2	3	24	2	3	3	8	3	4	4	3	4	18	60	
20	4	3	4	11	3	4	2	3	1	3	26	3	1	2	6	3	4	3	1	4	15	58	
21	4	3	4	11	4	5	3	4	4	4	30	1	2	4	7	2	4	5	4	4	19	67	
22	3	4	3	10	3	4	3	3	3	4	30	3	3	3	9	3	3	3	4	3	16	65	
23	3	3	3	9	3	4	3	3	2	3	23	3	1	3	7	3	3	4	4	4	17	56	
24	4	4	5	13	3	4	3	4	1	4	26	3	4	4	11	3	4	3	3	5	18	68	
25	4	4	3	11	4	5	3	4	4	5	34	3	4	4	11	4	4	5	5	5	23	79	
26	3	4	3	10	3	5	4	3	3	4	31	4	2	3	9	3	3	3	3	5	3	17	67
27	5	5	5	15	5	5	4	5	1	2	32	3	3	3	9	5	5	3	5	5	23	79	
28	4	4	3	11	4	4	3	5	3	5	34	4	3	4	9	2	4	4	4	4	17	71	
29	3	3	3	9	3	4	4	4	4	5	33	3	3	3	9	3	3	3	3	3	16	67	
30	2	4	2	8	2	4	4	4	2	4	28	2	1	3	6	4	2	2	2	4	14	56	
105	109	100	100	314	101	115	94	111	69	112	114	114	88	74	96	258	89	97	98	99	104	487	1889
																							62.97



## Persistence

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	11.00	1	1.6	3.3	3.3
	13.00	1	1.6	3.3	6.7
	14.00	3	4.9	10.0	16.7
	15.00	9	14.8	30.0	46.7
	16.00	3	4.9	10.0	56.7
	17.00	7	11.5	23.3	80.0
	18.00	3	4.9	10.0	90.0
	19.00	1	1.6	3.3	93.3
	23.00	2	3.3	6.7	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

## totalM

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	46.00	1	1.6	3.3	3.3
	48.00	1	1.6	3.3	6.7
	50.00	1	1.6	3.3	10.0
	51.00	1	1.6	3.3	13.3
	53.00	1	1.6	3.3	16.7
	54.00	1	1.6	3.3	20.0
	57.00	1	1.6	3.3	23.3
	58.00	3	4.9	10.0	33.3
	60.00	4	6.6	13.3	46.7
	61.00	1	1.6	3.3	50.0
	62.00	1	1.6	3.3	53.3
	63.00	3	4.9	10.0	63.3
	64.00	2	3.3	6.7	70.0
	65.00	3	4.9	10.0	80.0
	66.00	1	1.6	3.3	83.3
	67.00	2	3.3	6.7	90.0
	70.00	1	1.6	3.3	93.3
	71.00	1	1.6	3.3	96.7
	73.00	1	1.6	3.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

## Frequency Table

## Direction

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	18.00	1	3.2	3.3	3.3
	20.00	1	3.2	3.3	6.7
	21.00	3	9.7	10.0	16.7
	24.00	3	9.7	10.0	26.7
	26.00	5	16.1	16.7	43.3
	27.00	3	9.7	10.0	53.3
	28.00	3	9.7	10.0	63.3
	29.00	5	16.1	16.7	80.0
	30.00	3	9.7	10.0	90.0
	31.00	2	6.5	6.7	96.7
	33.00	1	3.2	3.3	100.0
	Total	30	96.8	100.0	
Missing System	1	3.2			
Total	31	100.0			

## Intensity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4.00	1	3.2	3.3	3.3
	6.00	1	3.2	3.3	6.7
	7.00	4	12.9	13.3	20.0
	8.00	7	22.6	23.3	43.3
	9.00	9	29.0	30.0	73.3
	10.00	2	6.5	6.7	80.0
	11.00	4	12.9	13.3	93.3
	12.00	2	6.5	6.7	100.0
	Total	30	96.8	100.0	
	Missing System	1	3.2		
	Total	31	100.0		

## Persistence

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	14.00	13	41.9	43.3	43.3
	15.00	1	3.2	3.3	46.7
	16.00	7	22.6	23.3	70.0
	17.00	3	9.7	10.0	80.0
	18.00	2	6.5	6.7	86.7
	19.00	3	9.7	10.0	96.7
	23.00	1	3.2	3.3	100.0
	Total	30	96.8	100.0	
	Missing System	1	3.2		
	Total	31	100.0		

## m1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	8	25.8	26.7	26.7
	3.00	10	32.3	33.3	60.0
	4.00	9	29.0	30.0	90.0
	5.00	3	9.7	10.0	100.0
	Total	30	96.8	100.0	
Missing System	1	3.2			
Total	31	100.0			

m2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	4	12.9	13.3	13.3
	2.00	2	6.5	6.7	20.0
	3.00	11	35.5	36.7	56.7
	4.00	7	22.6	23.3	80.0
	5.00	6	19.4	20.0	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	3.2	3.3	3.3
	2.00	9	29.0	30.0	33.3
	3.00	10	32.3	33.3	66.7
	4.00	9	29.0	30.0	96.7
	5.00	1	3.2	3.3	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	4	12.9	13.3	13.3
	2.00	2	6.5	6.7	20.0
	3.00	20	64.5	66.7	86.7
	5.00	4	12.9	13.3	100.0
		Total	30	96.8	100.0
Missing	System	1	3.2		
Total		31	100.0		

m5

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	2	6.5	6.7	6.7
	3.00	11	35.5	36.7	43.3
	4.00	13	41.9	43.3	86.7
	5.00	4	12.9	13.3	100.0
		Total	30	96.8	100.0
Missing	System	1	3.2		
Total		31	100.0		



m6

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	9.7	10.0	10.0
	2.00	11	35.5	36.7	46.7
	3.00	6	19.4	20.0	66.7
	4.00	10	32.3	33.3	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m7

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	3	9.7	10.0	10.0
	3.00	9	29.0	30.0	40.0
	4.00	18	58.1	60.0	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m8

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	5	16.1	16.7	16.7
	2.00	14	45.2	46.7	63.3
	3.00	3	9.7	10.0	73.3
	4.00	8	25.8	26.7	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m9

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	4	12.9	13.3	13.3
	3.00	4	12.9	13.3	26.7
	4.00	18	58.1	60.0	86.7
	5.00	4	12.9	13.3	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m10

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	3.2	3.3	3.3
	3.00	5	16.1	16.7	20.0
	4.00	18	58.1	60.0	80.0
	5.00	6	19.4	20.0	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m11

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	9.7	10.0	10.0
	2.00	1	3.2	3.3	13.3
	3.00	8	25.8	26.7	40.0
	4.00	10	32.3	33.3	73.3
	5.00	8	25.8	26.7	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m12

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	3.2	3.3	3.3
	2.00	5	16.1	16.7	20.0
	3.00	16	51.6	53.3	73.3
	4.00	7	22.6	23.3	96.7
	5.00	1	3.2	3.3	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m13

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	4	12.9	13.3	13.3
	2.00	8	25.8	26.7	40.0
	3.00	10	32.3	33.3	73.3
	4.00	8	25.8	26.7	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m14

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	9.7	10.0	10.0
	2.00	7	22.6	23.3	33.3
	3.00	11	35.5	36.7	70.0
	4.00	6	19.4	20.0	90.0
	5.00	3	9.7	10.0	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m15

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	2	6.5	6.7	6.7
	2.00	5	16.1	16.7	23.3
	3.00	14	45.2	46.7	70.0
	4.00	6	19.4	20.0	90.0
	5.00	3	9.7	10.0	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m16

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	9.7	10.0	10.0
	2.00	5	16.1	16.7	26.7
	3.00	10	32.3	33.3	60.0
	4.00	10	32.3	33.3	93.3
	5.00	2	6.5	6.7	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m17

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	3.2	3.3	3.3
	2.00	7	22.6	23.3	26.7
	3.00	14	45.2	46.7	73.3
	4.00	7	22.6	23.3	96.7
	5.00	1	3.2	3.3	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

m18

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	1	3.2	3.3	3.3
	3.00	13	41.9	43.3	46.7
	4.00	14	45.2	46.7	93.3
	5.00	2	6.5	6.7	100.0
	Total	30	96.8	100.0	
Missing	System	1	3.2		
Total		31	100.0		

### The Results of Pre-Questionnaire in Experimental Group

#### Descriptive Statistics

	N	Range	Minimum	Maximum	Mean		Std.	Variance
	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic
m1	30	3.00	2.00	5.00	3.5000	.14183	.77682	.603
m2	30	4.00	1.00	5.00	3.6333	.17606	.96431	.930
m3	30	3.00	2.00	5.00	3.3333	.13841	.75810	.575
m4	30	4.00	1.00	5.00	3.3667	.15524	.85029	.723
m5	30	2.00	3.00	5.00	3.8333	.12761	.69893	.489
m6	30	2.00	2.00	4.00	3.1333	.12441	.68145	.464
m7	30	4.00	1.00	5.00	3.7000	.16713	.91539	.838
m8	30	3.00	1.00	4.00	2.3000	.18036	.98786	.976
m9	30	3.00	2.00	5.00	3.7333	.15111	.82768	.685
m10	30	4.00	1.00	5.00	3.8000	.21656	1.18613	1.407
m11	30	3.00	2.00	5.00	3.8000	.17551	.96132	.924
m12	30	4.00	1.00	5.00	2.9333	.16563	.90719	.823
m13	30	4.00	1.00	5.00	2.4667	.20191	1.10589	1.223
m14	30	4.00	1.00	5.00	3.2000	.15462	.84690	.717
m15	30	3.00	2.00	5.00	2.9667	.12208	.66868	.447
m16	30	3.00	2.00	5.00	3.2333	.14129	.77385	.599
m17	30	3.00	2.00	5.00	3.2667	.11679	.63968	.409
m18	30	4.00	1.00	5.00	3.3000	.19268	1.05536	1.114
m19	30	4.00	1.00	5.00	3.4667	.16424	.89955	.809
totalM	30	27.00	46.00	73.00	60.7333	1.21005	6.62770	43.926
Valid N (listwise)	30							

#### Statistics

		Initiation	Direction	Intensity	Persistence	totalM
N	Valid	30	30	30	30	30
	Missing	31	31	31	31	31
Mean		10.4667	27.6667	8.6000	16.2333	60.7333
Std. Error of Mean		.30974	.70521	.35428	.45406	1.21005
Median		10.5000	27.0000	9.0000	16.0000	61.5000
Mode		11.00	23.00 <sup>a</sup>	9.00	15.00	60.00
Std. Deviation		1.69651	3.86258	1.94049	2.48698	6.62770
Variance		2.878	14.920	3.766	6.185	43.926
Range		7.00	11.00	11.00	12.00	27.00
Minimum		8.00	23.00	4.00	11.00	46.00
Maximum		15.00	34.00	15.00	23.00	73.00

a. Multiple modes exist. The smallest value is shown

## Initiation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	8.00	4	6.6	13.3	13.3
	9.00	5	8.2	16.7	30.0
	10.00	6	9.8	20.0	50.0
	11.00	9	14.8	30.0	80.0
	12.00	2	3.3	6.7	86.7
	13.00	3	4.9	10.0	96.7
	15.00	1	1.6	3.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

## Direction

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	23.00	5	8.2	16.7	16.7
	24.00	5	8.2	16.7	33.3
	25.00	1	1.6	3.3	36.7
	26.00	4	6.6	13.3	50.0
	28.00	3	4.9	10.0	60.0
	29.00	1	1.6	3.3	63.3
	30.00	2	3.3	6.7	70.0
	31.00	2	3.3	6.7	76.7
	32.00	2	3.3	6.7	83.3
	33.00	3	4.9	10.0	93.3
	34.00	2	3.3	6.7	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

## Intensity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4.00	1	1.6	3.3	3.3
	6.00	2	3.3	6.7	10.0
	7.00	5	8.2	16.7	26.7
	8.00	4	6.6	13.3	40.0
	9.00	12	19.7	40.0	80.0
	10.00	3	4.9	10.0	90.0
	11.00	2	3.3	6.7	96.7
	15.00	1	1.6	3.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		



## Persistence

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	11.00	1	1.6	3.3	3.3
	13.00	1	1.6	3.3	6.7
	14.00	3	4.9	10.0	16.7
	15.00	9	14.8	30.0	46.7
	16.00	3	4.9	10.0	56.7
	17.00	7	11.5	23.3	80.0
	18.00	3	4.9	10.0	90.0
	19.00	1	1.6	3.3	93.3
	23.00	2	3.3	6.7	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

## totalM

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	46.00	1	1.6	3.3	3.3
	48.00	1	1.6	3.3	6.7
	50.00	1	1.6	3.3	10.0
	51.00	1	1.6	3.3	13.3
	53.00	1	1.6	3.3	16.7
	54.00	1	1.6	3.3	20.0
	57.00	1	1.6	3.3	23.3
	58.00	3	4.9	10.0	33.3
	60.00	4	6.6	13.3	46.7
	61.00	1	1.6	3.3	50.0
	62.00	1	1.6	3.3	53.3
	63.00	3	4.9	10.0	63.3
	64.00	2	3.3	6.7	70.0
	65.00	3	4.9	10.0	80.0
	66.00	1	1.6	3.3	83.3
	67.00	2	3.3	6.7	90.0
	70.00	1	1.6	3.3	93.3
	71.00	1	1.6	3.3	96.7
	73.00	1	1.6	3.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

## Frequency Table

m1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	3	4.9	10.0	10.0
	3.00	11	18.0	38.7	46.7
	4.00	14	23.0	46.7	93.3
	5.00	2	3.3	6.7	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.6	3.3	3.3
	2.00	1	1.6	3.3	6.7
	3.00	12	19.7	40.0	46.7
	4.00	10	16.4	33.3	80.0
	5.00	6	9.8	20.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	2	3.3	6.7	6.7
	3.00	19	31.1	63.3	70.0
	4.00	6	9.8	20.0	90.0
	5.00	3	4.9	10.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.6	3.3	3.3
	2.00	1	1.6	3.3	6.7
	3.00	17	27.9	56.7	63.3
	4.00	8	13.1	26.7	90.0
	5.00	3	4.9	10.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m5

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3.00	10	16.4	33.3	33.3
	4.00	15	24.6	50.0	83.3
	5.00	5	8.2	16.7	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m6

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	5	8.2	16.7	16.7
	3.00	16	26.2	53.3	70.0
	4.00	9	14.8	30.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m7

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.6	3.3	3.3
	2.00	1	1.6	3.3	6.7
	3.00	9	14.8	30.0	36.7
	4.00	14	23.0	46.7	83.3
	5.00	5	8.2	16.7	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m8

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	7	11.5	23.3	23.3
	2.00	11	18.0	38.7	60.0
	3.00	8	13.1	26.7	86.7
	4.00	4	6.6	13.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m9

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	1	1.6	3.3	3.3
	3.00	12	19.7	40.0	43.3
	4.00	11	18.0	36.7	80.0
	5.00	6	9.8	20.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m10

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	4.9	10.0	10.0
	3.00	6	9.8	20.0	30.0
	4.00	12	19.7	40.0	70.0
	5.00	9	14.8	30.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m11

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	2	3.3	6.7	6.7
	3.00	11	18.0	36.7	43.3
	4.00	8	13.1	26.7	70.0
	5.00	9	14.8	30.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m12

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	2	3.3	6.7	6.7
	2.00	6	9.8	20.0	26.7
	3.00	15	24.6	50.0	76.7
	4.00	6	9.8	20.0	96.7
	5.00	1	1.6	3.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m13

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	8	13.1	26.7	26.7
	2.00	5	8.2	16.7	43.3
	3.00	13	21.3	43.3	86.7
	4.00	3	4.9	10.0	96.7
	5.00	1	1.6	3.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m14

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.6	3.3	3.3
	2.00	3	4.9	10.0	13.3
	3.00	17	27.9	56.7	70.0
	4.00	7	11.5	23.3	93.3
	5.00	2	3.3	6.7	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m15

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	6	9.8	20.0	20.0
	3.00	20	32.8	66.7	86.7
	4.00	3	4.9	10.0	96.7
	5.00	1	1.6	3.3	100.0
		Total	30	49.2	100.0
Missing	System	31	50.8		
Total		61	100.0		

m16

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	5	8.2	16.7	16.7
	3.00	14	23.0	46.7	63.3
	4.00	10	16.4	33.3	96.7
	5.00	1	1.6	3.3	100.0
		Total	30	49.2	100.0
Missing	System	31	50.8		
Total		61	100.0		

m17

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	1	1.6	3.3	3.3
	3.00	22	36.1	73.3	76.7
	4.00	5	8.2	16.7	93.3
	5.00	2	3.3	6.7	100.0
		Total	30	49.2	100.0
Missing	System	31	50.8		
Total		61	100.0		

m18

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	2	3.3	6.7	6.7
	2.00	3	4.9	10.0	16.7
	3.00	13	21.3	43.3	60.0
	4.00	8	13.1	26.7	86.7
	5.00	4	6.6	13.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

m19

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.6	3.3	3.3
	2.00	2	3.3	6.7	10.0
	3.00	12	19.7	40.0	50.0
	4.00	12	19.7	40.0	90.0
	5.00	3	4.9	10.0	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

totalM

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	46.00	1	1.6	3.3	3.3
	48.00	1	1.6	3.3	6.7
	50.00	1	1.6	3.3	10.0
	51.00	1	1.6	3.3	13.3
	53.00	1	1.6	3.3	16.7
	54.00	1	1.6	3.3	20.0
	57.00	1	1.6	3.3	23.3
	58.00	3	4.9	10.0	33.3
	60.00	4	6.6	13.3	46.7
	61.00	1	1.6	3.3	50.0
	62.00	1	1.6	3.3	53.3
	63.00	3	4.9	10.0	63.3
	64.00	2	3.3	6.7	70.0
	65.00	3	4.9	10.0	80.0
	66.00	1	1.6	3.3	83.3
	67.00	2	3.3	6.7	90.0
	70.00	1	1.6	3.3	93.3
	71.00	1	1.6	3.3	96.7
	73.00	1	1.6	3.3	100.0
	Total	30	49.2	100.0	
Missing	System	31	50.8		
Total		61	100.0		

## The T-Test Results OF Pre-questionnaire

### Group Statistics

	Subject	N	Mean	Std. Deviation	Std. Error Mean
Initiation	Control	30	10.0333	2.14127	.39094
	Experiment	30	10.9000	1.91815	.35021
Direction	Control	30	26.9000	3.43762	.62762
	Experiment	30	28.8333	4.32382	.78942
Intensity	Control	30	8.7333	1.77984	.32495
	Experiment	30	8.6000	1.94049	.35428
Persistence	Control	30	16.6000	3.03542	.55419
	Experiment	30	17.8000	2.29542	.41908
Total	Control	30	62.5667	6.82128	1.24539
	Experiment	30	66.2333	7.49567	1.36852

### Independent Samples Test

		Levene's Test for quality of Variance		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Initiation	Equal variance assumed	1.125	.293	-1.651	58	.104	-.86667	.52486	1.91729	.18396
	Equal variance not assumed			-1.651	57.312	.104	-.86667	.52486	1.91756	.18423
Direction	Equal variance assumed	3.624	.062	-1.917	58	.060	-1.93333	1.00851	3.95208	.08541
	Equal variance not assumed			-1.917	55.195	.060	-1.93333	1.00851	3.95427	.08760
Intensity	Equal variance assumed	.000	.989	.277	58	.782	.13333	.48074	-.82897	1.09564
	Equal variance not assumed			.277	57.572	.783	.13333	.48074	-.82912	1.09579
Persistence	Equal variance assumed	1.283	.262	-1.727	58	.089	-1.20000	.69481	2.59081	.19081
	Equal variance not assumed			-1.727	53.994	.090	-1.20000	.69481	2.59301	.19301
Total	Equal variance assumed	.502	.482	-1.982	58	.052	-3.66667	1.85036	7.37056	.03723
	Equal variance not assumed			-1.982	57.492	.052	-3.66667	1.85036	7.37126	.03793

## Group Statistics

Subject	N	Mean	Std. Deviation	Std. Error Mean
CL1 Control	30	13.6333	2.35597	.43014
CL1 Experiment	30	14.7000	1.91455	.34955
CL2 Control	30	8.8000	1.51771	.27709
CL2 Experiment	30	9.5000	1.50287	.27439
CL3 Control	30	4.0333	.88992	.16248
CL3 Experiment	30	3.7333	.73968	.13505
CL4 Control	30	6.0667	1.65952	.30299
CL4 Experiment	30	6.4333	1.04000	.18988
Total Control	30	32.5333	4.38440	.80048
Total Experiment	30	34.3667	2.83431	.51747

## Independent Samples Test

	Levene's Test for Equality of Variance		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
CL1 Equal variance assumed	.987	.325	-1.924	58	.059	-1.06667	.55426	2.17614	.04280
CL1 Equal variance not assumed			-1.924	55.671	.059	-1.06667	.55426	2.17713	.04379
CL2 Equal variance assumed	.029	.866	-1.795	58	.078	-.70000	.38996	1.48059	.08059
CL2 Equal variance not assumed			-1.795	57.994	.078	-.70000	.38996	1.48059	.08059
CL3 Equal variance assumed	.090	.765	1.420	58	.161	.30000	.21127	-.12291	.72291
CL3 Equal variance not assumed			1.420	56.124	.161	.30000	.21127	-.12321	.72321
CL4 Equal variance assumed	6.053	.017	-1.025	58	.309	-.36667	.35757	1.08242	.34908
CL4 Equal variance not assumed			-1.025	48.735	.310	-.36667	.35757	1.08532	.35199
Total Equal variance assumed	6.634	.013	-1.923	58	.059	-1.83333	.95318	3.74132	.07466
Total Equal variance not assumed			-1.923	49.635	.060	-1.83333	.95318	3.74819	.08153



## APPENDIX IV

## The Score of Post-questionnaire of Collaborative Learning in Control Group

S	CL1					Total	CL2			Total	CL3	Total	CL4		Total	Total Sc
1	3	3	3	4	4	17	3	4	4	11	3	3	4	3	7	38
2	3	2	3	2	2	12	3	2	2	7	5	5	3	3	6	30
3	3	2	2	4	2	13	2	2	2	6	2	2	3	2	5	26
4	3	2	3	2	2	12	2	3	5	10	5	5	4	2	6	33
5	3	2	2	2	3	12	3	4	5	12	5	5	4	2	6	35
6	3	2	3	2	2	12	2	2	2	6	5	5	3	2	5	28
7	3	3	2	2	2	12	2	2	2	6	4	4	4	4	8	30
8	4	3	2	3	4	16	2	3	4	9	5	5	4	3	7	37
9	4	3	3	2	3	15	2	2	2	6	5	5	4	4	8	34
10	3	2	2	2	3	12	3	2	4	9	4	4	4	3	7	23
11	5	3	3	3	3	17	3	3	3	9	4	4	5	3	8	38
12	4	3	3	4	2	16	3	4	4	11	4	4	5	4	9	29
13	3	3	3	2	2	13	3	2	3	8	4	4	4	4	8	33
14	3	2	4	3	2	14	4	4	3	11	3	3	4	3	7	35
15	4	3	4	2	3	16	2	2	2	6	5	5	4	4	8	35
16	3	2	3	2	2	12	3	2	2	7	5	5	4	3	7	31
17	3	3	2	3	2	13	2	2	4	8	3	3	4	3	7	31
18	3	2	3	3	2	13	3	3	2	8	4	4	3	3	6	31
19	3	2	3	3	2	13	2	2	4	8	4	4	4	3	7	32
20	3	2	2	1	2	10	3	2	3	8	4	4	3	2	5	27
21	4	3	3	3	2	15	4	2	3	9	3	3	3	2	5	32
22	5	3	4	3	3	18	4	3	3	10	4	4	5	4	9	41
23	3	2	2	2	3	12	2	4	2	8	4	4	4	3	7	31
24	4	2	2	4	2	14	2	2	4	8	4	4	4	4	8	34
25	4	3	3	3	2	15	3	3	2	8	4	4	4	5	9	36
26	3	2	3	2	3	13	2	4	3	9	4	4	4	3	7	33
27	3	3	1	5	2	14	5	2	5	12	3	3	3	5	8	37
28	4	4	3	5	3	19	2	5	3	10	5	5	5	3	8	32
29	5	2	4	2	2	15	2	2	2	6	5	5	4	4	8	34
30	3	3	2	4	2	14	4	2	5	11	3	3	4	5	9	37
<b>Total</b>	104	76	82	84	73		82	81	94		122		117	98		<b>1013</b>
						<b>419</b>				<b>257</b>		<b>122</b>			<b>215</b>	<b>1013</b>
<b>Mean</b>						<b>13.97</b>				<b>8.567</b>		<b>4.07</b>			<b>7.2</b>	<b>33.77</b>

**The Score of Post-questionnaire of Collaborative Learning  
in Experiment Group**

S	1						2				3	4				
1	4	3	3	3	3	16	4	3	4	11	4	4	4	4	8	39
2	3	4	4	3	3	17	4	4	3	11	4	4	5	4	9	41
3	4	3	4	5	3	19	4	4	3	11	4	4	5	4	9	43
4	4	4	3	4	3	18	4	3	4	11	3	3	4	4	8	40
5	4	5	3	5	3	20	4	3	4	11	4	4	5	4	9	44
6	4	4	3	3	3	17	3	4	3	10	3	3	4	4	8	38
7	4	3	4	3	3	17	4	3	3	10	4	4	4	3	7	38
8	4	3	3	4	4	18	3	4	3	10	4	4	4	4	8	40
9	5	3	3	3	4	18	4	4	5	13	4	4	4	3	7	42
10	4	3	3	5	4	19	4	3	3	10	4	4	4	4	8	41
11	3	3	3	3	3	15	4	3	4	11	3	3	3	3	6	35
12	3	4	5	3	3	18	4	4	2	10	5	5	4	4	8	41
13	5	4	3	3	4	19	3	4	4	11	4	4	5	4	9	43
14	4	3	3	3	3	16	4	3	4	11	5	5	4	4	8	40
15	3	3	4	3	3	16	3	4	4	11	4	4	3	3	6	37
16	4	4	3	4	4	19	4	3	4	11	4	4	4	4	8	42
17	4	3	4	3	3	17	4	4	4	12	4	4	4	3	7	40
18	3	4	3	4	3	17	3	3	5	11	4	4	5	5	10	42
19	4	3	3	4	3	17	4	3	5	12	4	4	4	4	8	41
20	5	4	4	4	5	22	5	5	4	14	4	4	4	4	8	48
21	5	3	4	3	4	19	4	4	5	13	5	5	5	5	10	47
22	4	3	4	3	3	17	4	4	3	11	5	5	4	4	8	41
23	4	3	4	3	3	17	4	3	3	10	4	4	4	4	8	39
24	4	3	3	4	4	18	3	3	4	10	4	4	4	4	8	40
25	5	4	4	3	4	20	4	4	5	13	4	4	5	5	10	47
26	4	3	3	5	5	20	3	3	4	10	4	4	4	5	9	43
27	4	3	3	3	3	16	5	3	5	13	4	4	5	4	9	42
28	4	4	4	3	4	19	5	4	3	12	4	4	5	4	9	44
29	4	4	3	3	3	17	4	3	3	10	3	3	4	3	7	37
30	4	3	4	4	4	19	3	4	3	10	4	4	4	4	8	41
<b>Total</b>	120	103	104	106	104	537	115	106	113	334	120	120	127	118	245	1236
<b>Mean</b>						17.9				11.13		4			8.2	41.2

The Score of Post-questionnaire Motivational Aspect in Control Group

S	Initiation			Direction			TI	Intensity			TI	Persistence			TI	Total Score			
1	3	3	2	8	3	3	21	3	3	3	9	3	3	3	16	53			
2	3	3	3	9	4	4	32	3	4	3	10	4	3	3	17	68			
3	3	4	3	10	4	4	31	3	3	3	9	4	3	4	19	69			
4	4	4	2	10	3	4	25	4	4	3	11	3	3	4	17	63			
5	3	3	3	9	4	4	32	3	3	3	9	3	4	3	16	66			
6	4	4	3	11	3	4	28	4	2	4	10	3	3	3	16	65			
7	3	3	3	9	4	4	23	3	3	3	9	3	3	3	15	56			
8	4	3	3	10	3	3	32	5	4	3	12	3	4	4	18	72			
9	4	5	4	13	5	4	32	3	3	3	9	5	3	3	18	73			
10	4	4	3	11	3	3	28	3	3	5	11	3	3	3	17	67			
11	4	5	3	11	3	4	30	4	3	4	11	4	4	4	20	72			
12	4	5	4	12	5	4	34	3	4	5	12	4	4	4	19	77			
13	4	4	3	11	4	4	32	3	3	3	10	5	3	4	19	71			
14	4	4	3	11	4	4	29	3	3	4	10	3	3	4	17	67			
15	4	5	3	12	3	3	24	3	3	3	9	3	5	3	18	63			
16	3	3	3	9	4	5	31	3	4	5	12	3	3	4	17	69			
17	3	4	3	10	3	2	28	4	2	3	9	3	3	3	16	63			
18	3	3	3	9	4	4	32	3	3	2	8	3	4	3	18	65			
19	3	3	3	9	3	4	30	3	2	3	8	4	3	4	19	66			
20	3	3	2	8	3	3	21	3	3	3	9	3	3	3	15	67			
21	3	3	3	9	4	4	32	3	4	3	10	4	4	3	17	69			
22	3	4	3	10	4	4	31	3	3	3	9	4	3	4	19	63			
23	4	4	2	10	3	4	25	4	4	3	11	3	3	4	17	68			
24	3	3	3	9	4	4	32	3	3	3	9	3	4	3	16	63			
25	4	4	3	11	3	4	28	4	2	4	10	3	3	3	18	57			
26	3	3	3	9	4	4	23	3	3	3	9	3	3	3	15	74			
27	4	3	3	10	3	3	32	5	4	3	12	3	4	4	18	62			
28	4	5	4	13	5	4	32	3	3	3	9	5	3	4	19	69			
29	4	4	3	11	3	4	28	3	3	5	11	3	3	3	17	56			
30	4	4	3	11	3	4	30	4	3	4	11	4	4	4	20	61			
Mean	102	106	92	300	106	92	864	99	95	104	296	98	105	99	109	101	512	1974	658
				10			28.8				7.93						17.06		

The Score of Post-questionnaire Motivational Aspect in Experimental Group

S	Initiation			TI	Direction						TI	Intensity			TI	Persistence						TI	Total Score
1	4	4	3	11	4	4	3	3	4	5	4	4	3	3	9	4	4	4	4	20	71		
2	4	5	5	14	5	5	5	5	4	5	4	4	4	4	12	5	5	3	4	21	83		
3	5	5	3	13	5	5	3	3	4	4	5	3	5	4	12	4	4	3	5	20	80		
4	4	5	3	12	4	5	4	3	4	4	4	4	3	3	9	4	4	3	4	19	72		
5	4	4	4	13	4	4	4	3	3	3	4	4	3	3	9	4	4	4	4	20	71		
6	4	5	3	12	5	4	4	4	3	3	4	4	4	4	12	4	4	3	4	19	76		
7	4	4	3	11	4	4	3	3	3	3	4	4	3	3	9	4	4	4	4	19	68		
8	4	4	3	11	5	5	3	4	4	4	4	4	3	3	10	4	5	4	5	22	76		
9	4	5	5	14	4	5	5	5	4	5	4	4	3	5	13	4	4	3	4	19	83		
10	4	5	4	13	5	5	4	5	4	4	4	4	4	4	11	5	4	4	5	23	84		
11	4	5	3	12	4	4	3	3	3	4	4	3	3	3	10	4	4	3	4	19	69		
12	5	4	3	12	4	4	3	3	4	5	4	4	3	3	11	3	4	3	4	17	72		
13	4	5	4	13	5	5	4	4	5	5	4	4	5	5	15	4	5	4	5	23	88		
14	5	4	4	13	4	4	4	4	4	4	4	4	4	3	9	5	5	4	4	22	75		
15	3	4	3	10	4	4	3	3	3	3	3	3	3	3	11	4	4	3	4	19	68		
16	5	5	4	14	5	5	4	4	4	5	5	5	4	5	14	5	5	4	4	21	87		
17	4	4	4	11	4	5	3	3	4	3	3	3	3	3	9	4	4	3	4	19	67		
18	5	4	4	13	4	4	4	4	4	5	4	4	4	4	10	5	4	4	5	23	82		
19	4	4	3	11	3	4	3	3	3	3	4	4	3	3	9	4	4	3	4	19	66		
20	5	5	4	14	5	5	5	4	4	5	5	5	5	5	15	5	5	4	5	25	88		
21	5	4	4	13	5	5	5	4	4	4	4	4	4	4	14	5	5	5	5	25	88		
22	4	5	3	12	5	5	3	3	4	4	5	4	3	3	9	4	4	3	4	19	74		
23	3	4	3	10	4	4	3	3	3	3	4	4	3	3	9	4	4	3	4	18	64		
24	4	5	4	14	5	5	5	4	4	4	4	4	4	5	13	5	5	3	4	22	84		
25	5	5	4	14	5	5	5	4	4	5	5	5	5	5	15	5	5	5	5	25	92		
26	5	5	4	14	5	5	5	4	4	4	4	4	4	4	14	4	4	3	5	20	84		
27	5	5	5	15	5	4	5	5	4	3	5	5	5	3	10	4	5	3	5	23	84		
28	4	5	4	13	4	5	4	4	3	5	5	3	3	3	10	4	4	3	4	19	78		
29	4	4	4	12	4	5	4	4	4	4	5	5	3	3	9	5	5	3	4	21	78		
30	5	5	4	14	4	5	4	4	5	4	4	4	4	4	12	5	5	4	4	23	84		
Sum	130	137	110	377	134	139	126	111	119	121	124	129	1003	105	114	115	334	131	131	622	2336		
				12.57									33.43				11.13			20.73	77.87		

## Group Statistics

Subject	N	Mean	Std. Deviation	Std. Error Mean
CL1 Control	30	13.2333	2.68692	.49056
CL1 Experiment	30	17.4000	1.69380	.30924
CL2 Control	30	8.2000	2.12376	.38774
CL2 Experiment	30	10.4667	1.22428	.22352
CL3 Control	30	4.0667	.82768	.15111
CL3 Experiment	30	3.8000	.66436	.12130
CL4 Control	30	7.1667	1.23409	.22531
CL4 Experiment	30	8.1667	1.01992	.18621
Total Control	30	32.6667	4.66338	.85141
Total Experiment	30	39.8333	3.32268	.60664

## Independent Samples Test

		Levene's Test for quality of Variance		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
CL1	Equal variance assumed	4.317	.042	-7.185	58	.000	-4.16667	.57990	5.32746	3.00587
	Equal variance not assumed			-7.185	48.905	.000	-4.16667	.57990	5.33208	3.00126
CL2	Equal variance assumed	7.765	.007	-5.065	58	.000	-2.26667	.44756	3.16255	1.37079
	Equal variance not assumed			-5.065	46.357	.000	-2.26667	.44756	3.16736	1.36597
CL3	Equal variance assumed	.549	.462	1.376	58	.174	.26667	.19377	-.12121	.65455
	Equal variance not assumed			1.376	55.407	.174	.26667	.19377	-.12160	.65493
CL4	Equal variance assumed	1.700	.197	-3.421	58	.001	-1.00000	.29230	1.58511	-.41489
	Equal variance not assumed			-3.421	56.013	.001	-1.00000	.29230	1.58555	-.41445
Total	Equal variance assumed	5.083	.028	-6.855	58	.000	-7.16667	1.04542	9.25931	5.07402
	Equal variance not assumed			-6.855	52.411	.000	-7.16667	1.04542	9.26407	5.06926

## The t-Test Results OF Post-questionnaire

### Group Statistics

	Subject	N	Mean	Std. Deviation	Std. Error Mean
Initiation	Control	30	10.8000	1.93694	.35363
	Experiment	30	11.8667	1.65536	.30223
Direction	Control	30	27.9667	3.07922	.56219
	Experiment	30	29.7667	3.65479	.66727
Intensity	Control	30	9.8667	1.73669	.31707
	Experiment	30	10.9000	2.05695	.37555
Persistence	Control	30	16.7000	3.13105	.57165
	Experiment	30	18.1000	2.29467	.41895
Total	Control	30	65.3333	7.91913	1.44583
	Experiment	30	70.6333	7.21819	1.31786

### Independent Samples Test

		Levene's Test for quality of Variance		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Initiation	Equal variance assumed	.565	.455	-2.293	58	.025	-1.06667	.46519	1.99784	-.13549
	Equal variance not assumed			-2.293	56.625	.026	-1.06667	.46519	1.99832	-.13501
Direction	Equal variance assumed	1.878	.176	-2.063	58	.044	-1.80000	.87253	3.54655	-.05345
	Equal variance not assumed			-2.063	56.376	.044	-1.80000	.87253	3.54762	-.05238
Intensity	Equal variance assumed	.571	.453	-2.102	58	.040	-1.03333	.49150	2.01717	-.04949
	Equal variance not assumed			-2.102	56.414	.040	-1.03333	.49150	2.01776	-.04890
Persistence	Equal variance assumed	1.799	.185	-1.975	58	.053	-1.40000	.70873	2.81868	.01868
	Equal variance not assumed			-1.975	53.177	.053	-1.40000	.70873	2.82142	.02142
Total	Equal variance assumed	.034	.855	-2.709	58	.009	-5.30000	1.95631	9.21599	1.38401
	Equal variance not assumed			-2.709	57.509	.009	-5.30000	1.95631	9.21670	1.38330

## THE RESULTS OF THE OBSERVATION

Experimental Group	Meeting				
	1	2	3	4	5
ABDUL AJID	1	1	1	1	1
AGUS DIANA	2	3	3	4	4
ASEP SUKMA G.	3	4	4	4	4
CUCU CAHYATI	2	2	1	2	2
DADAN PRIYANA	1	2	2	1	2
DIDING WAHYU	2	3	3	4	4
DIMAS ABDI B.	1	2	2	3	3
ENDAH KARTIKA	2	3	3	4	4
HERNIASARI	3	2	2	3	4
IKA ROPIKA	3	4	3	4	4
LILI HERLIANA	1	2	2	3	3
MASRIAH	2	2	3	3	3
NADYA K.	4	4	5	5	5
PAISAL LESMANA	2	3	2	2	3
PAJAR PERMANA	2	3	2	3	3
PATRA MUH. S.	3	4	4	4	5
RIAN APRIANTO	2	2	2	2	2
RIANA RATNA P.S	3	3	3	3	4
RIDWAN DWI N.	1	2	2	2	2
RIO ARIYANTO	4	5	5	5	5
RIZKA MA	4	5	5	5	5
ROBBI MELISANO	1	2	3	3	3
SATRIA PRIMADANI	1	1	1	2	2
SRI PUJI RAHAYU	2	3	3	4	4
SRI WULAN A.	5	5	5	5	5
SUGIH PERMANA	3	3	4	4	5
SUSI SUKAESIH	3	3	3	3	3
TAUFIK MANURUL	2	2	2	3	3
USWATUN H	3	3	3	3	3
WIKI PRIMADUDIN	3	3	4	4	4

Control Group	Meeting				
	1	2	3	4	5
AGUS KUSDIANTO	2	1	3	3	3
ANA W	2	2	2	3	3
APRILIAN D	2	2	3	3	3
BAYU DWI P	2	2	2	2	3
DEDEN SURYA	1	1	1	1	1
DEDI HARYANTO	3	2	2	3	4
DESI N	3	4	3	4	4
DESI W	1	2	2	3	3
DIAN EKA P	4	4	4	4	5
DIDIN WARSIDIN	4	4	5	5	5
ERNA M. D	3	4	5	5	5
ERNI M. D	4	5	5	5	5
EUIS SANTI W	3	4	4	4	5
JAJANG A	2	2	3	4	4
MIRA SITI N	3	3	3	3	4
M. AMIR	1	2	2	2	2
M. MUKSIN	3	3	4	4	4
NANA RANDIWAN	2	3	3	3	3
NENI ROHAENI	1	2	3	3	3
NURSITI S	1	1	1	2	2
OPIK T	2	3	3	4	4
RIA PRADILA	3	3	4	4	5
RIAN H	3	3	4	4	5
RIZKI ADI C	3	3	3	3	3
SUCI AMALIA	2	2	2	3	3
SURYA RAMADANI	3	3	3	3	3
SUCI SUSANTI	3	3	4	4	4
TARDI	3	2	2	3	4
TARSUDIN	1	1	1	1	1
TRISNA UMAR S	2	2	2	3	3



# APPENDIX F

## Critical Values of $t$

df	Level of Significance			Level of Significance		
	.05*	.01**	.001***	.05*	.01**	.001***
1	1.638	2.239	3.078	1.638	2.239	3.078
2	1.601	2.159	2.924	1.601	2.159	2.924
3	1.576	2.101	2.807	1.576	2.101	2.807
4	1.552	2.052	2.715	1.552	2.052	2.715
5	1.538	2.015	2.640	1.538	2.015	2.640
6	1.526	1.985	2.578	1.526	1.985	2.578
7	1.515	1.960	2.527	1.515	1.960	2.527
8	1.505	1.938	2.484	1.505	1.938	2.484
9	1.496	1.919	2.447	1.496	1.919	2.447
10	1.488	1.902	2.415	1.488	1.902	2.415
11	1.481	1.887	2.387	1.481	1.887	2.387
12	1.475	1.874	2.362	1.475	1.874	2.362
13	1.470	1.862	2.339	1.470	1.862	2.339
14	1.465	1.851	2.318	1.465	1.851	2.318
15	1.461	1.841	2.299	1.461	1.841	2.299
16	1.457	1.832	2.282	1.457	1.832	2.282
17	1.454	1.824	2.267	1.454	1.824	2.267
18	1.451	1.817	2.253	1.451	1.817	2.253
19	1.448	1.811	2.241	1.448	1.811	2.241
20	1.446	1.805	2.230	1.446	1.805	2.230
25	1.442	1.799	2.215	1.442	1.799	2.215
30	1.439	1.794	2.203	1.439	1.794	2.203
40	1.437	1.790	2.193	1.437	1.790	2.193
50	1.436	1.788	2.187	1.436	1.788	2.187
60	1.435	1.787	2.184	1.435	1.787	2.184
80	1.434	1.786	2.182	1.434	1.786	2.182
100	1.434	1.786	2.182	1.434	1.786	2.182
∞	1.433	1.786	2.182	1.433	1.786	2.182

## Critical Values of $t$

df	Level of Significance			Level of Significance		
	.05*	.01**	.001***	.05*	.01**	.001***
18	2.101	2.878	3.922	18	1.734	2.552
19	2.093	2.861	3.883	19	1.729	2.539
20	2.086	2.845	3.850	20	1.725	2.528
21	2.080	2.831	3.819	21	1.721	2.518
22	2.074	2.819	3.792	22	1.717	2.508
23	2.069	2.807	3.767	23	1.714	2.500
24	2.064	2.797	3.745	24	1.711	2.492
25	2.060	2.787	3.725	25	1.708	2.485
26	2.056	2.779	3.707	26	1.706	2.479
27	2.052	2.771	3.690	27	1.703	2.473
28	2.048	2.763	3.674	28	1.701	2.467
29	2.045	2.756	3.659	29	1.699	2.462
30	2.042	2.750	3.646	30	1.697	2.457
40	2.021	2.704	3.551	40	1.684	2.423
60	2.000	2.660	3.460	60	1.671	2.390
120	1.980	2.617	3.373	120	1.658	2.358
∞	1.960	2.575	3.291	∞	1.645	2.328

- (a) terha  
(b) secar

Jawab :

(a)  $\delta W =$   
Pada Pl

(b) Pada p



Nomor: 426/H40.3.3.1/PK/2008  
 Perihal: Pengesahan judul skripsi  
 serta penunjukan dosen  
 Pembimbing I dan II

Bandung, 27 Maret 2008

Yth. Bapak Pembantu Dekan I  
 FPBS UPI  
 JI  
 Bandung

Dengan Hormat,

Berdasarkan hasil rapat Dewan Bimbingan Skripsi Jurusan Pendidikan Bahasa Inggris FPBS UPI, telah disetujui mahasiswa yang namanya tercantum di bawah ini yaitu:

Nama : Desi Sri Nurdianti  
 NIM : 032930  
 Program studi : Pendidikan Bahasa Inggris  
 Jenjang/Semester : SI/10  
 IPK : 3.00

Untuk menulis skripsi yang berjudul:

IMPROVING STUDENTS' MOTIVATION TO SPEAK ENGLISH THROUGH  
 COLLABORATIVE LEARNING

Dengan dosen pembimbing skripsi:

1. Nama : Drs. Deddy Suryana, M.A.  
 NIP : 131911643  
 Golongan : III/c
2. Nama : Sri Harto, S.Pd., M.Pd.  
 NIP : 132316925  
 Golongan : III/b

Sehubungan dengan hal tersebut diatas, kami mohon judul skripsi dan dosen pembimbingnya dapat disahkan melalui Surat Keputusan Dekan.

Atas perhatian yang diberikan, kami ucapkan terima kasih.

Ketua,

Drs. Wahyu Sundayana, M.A.  
 NIP 131 568 827



UNIVERSITAS PENDIDIKAN INDONESIA  
FAKULTAS PENDIDIKAN BAHASA DAN SENI

KEPUTUSAN  
DEKAN FAKULTAS PENDIDIKAN BAHASA DAN SENI UPI  
Nomor: 523/H40.3/DT/2008

tentang  
Pengesahan Judul dan Penunjukan Dosen Pembimbing Skripsi

DEKAN FAKULTAS PENDIDIKAN BAHASA DAN SENI

- Memperhatikan : Surat Ketua Program Pendidikan Bahasa Inggris Jurusan Pendidikan Bahasa dan Sastra Inggris Fakultas Pendidikan Bahasa dan Seni UPI nomor 418/H40.3.3.1/PK/2008, tanggal 27 Maret 2008, tentang permohonan pengesahan judul dan penunjukan pembimbing skripsi.
- Menimbang : 1. Bahwa untuk menyelesaikan studi bagi mahasiswa penempuh jalur skripsi, bahan kajian sesuai dengan judul yang akan dipertahankan itu perlu mendapat pengesahan secara formal;
2. Bahwa untuk lancarnya penuangan gagasan ke dalam draft skripsi, mahasiswa yang bersangkutan perlu dibimbing agar penulisan skripsi tersebut selesai tepat waktu.
3. Sehubungan dengan butir 1 dan 2 perlu diterbitkan surat keputusan.
- Mengingat : 1. UU No. 20 tahun 2003 tentang Sisdiknas;  
2. PP No. 60 tahun 1999 tentang Pendidikan Tinggi;  
3. PP No. 61 tahun 1999 tentang Penetapan PTN sebagai BHMN;  
4. PP No. 6 tahun 2004 tentang Penetapan UPI sebagai BHMN;  
5. Keppres No. 124 tahun 1999 tentang Perubahan IKIP Bandung menjadi UPI;  
6. SK Rektor UPI No. 6112/J33/KP.02.18/2004, tanggal 27 Desember 2004, tentang pemberhentian dan pengangkatan Dekan di lingkungan UPI;  
7. Pedoman Akademik Universitas Pendidikan Indonesia.

MEMUTUSKAN

Menetapkan  
Pertama

- : Mengesahkan skripsi berjudul:  
**IMPROVING STUDENTS' MOTIVATION TO SPEAK ENGLISH  
THROUGH COLLABORATIVE LEARNING.**

atas nama : **Desi Sri Nurdianti**  
nomor pokok : 032930  
jurusan/program studi : Pendidikan Bahasa dan Sastra Inggris/Pendidikan  
Bahasa Inggris  
Perolehan IPK : 3,00

Kedua

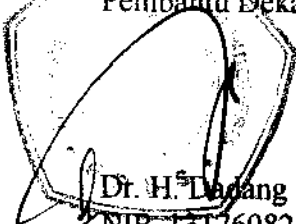
- : Mengangkat nama-nama dosen:  
1. Drs. Deddy Suryana, M.A. NIP: 131911643 Gol. III/c  
sebagai Pembimbing I  
2. Sri Harto, S.Pd., M.Pd. NIP: 132316025 Gol. III/b

- Ketiga : Menugaskan kepada Dosen Pembimbing supaya secara bersama-sama melaksanakan kegiatan berupa:
- a. Telaah judul, bahasan kontekstual, dan teknis penggarapan;
  - b. Pembimbingan selama 12 bulan;
  - c. Membuat laporan kegiatan kepada Dekan melalui Ketua Jurusan/Prodi masing-masing.
- Keempat : Memberikan honorarium kepada dosen pembimbing yang besarnya sesuai dengan ketentuan yang berlaku.
- Kelima : Keputusan ini berlaku mulai tanggal 27 Maret 2008 s.d. 26 Maret 2009, dengan ketentuan apabila di kemudian hari terdapat kekeliruan dalam penetapan ini akan diperbaiki sebagaimana mestinya.

Ditetapkan di : Bandung  
Pada tanggal : 3 April 2008

---

a.n. Dekan  
Pembantu Dekan I,



Dr. H. Dadang Sunendar, M.Hum.  
NIP. 131760824

**Tembusan:**

1. Ketua Jurusan/Prodi terkait FPBS UPI
2. Dosen Pembimbing I dan II



**UNIVERSITAS PENDIDIKAN INDONESIA**  
**FAKULTAS PENDIDIKAN BAHASA DAN SENI**

Jl. Dr. Setiabudi No 229 Telp. (022) 2013163 Pes. 2401 s.d. 2412 Fax. (022) 2015411 Bandung 40154

Nomor : 523/II.40.3/PL/2008  
Lampiran : Satu berkas  
Hal : Permohonan izin penelitian

2 April 2008

Yth. Pembantu Rektor Bidang Akademik  
melalui  
Yth. Kepala BAAK UPI  
di  
Bandung

Dengan hormat,

Dengan ini kami mengusulkan salah seorang mahasiswa,

Nama : **Desi Sri Nurdianti**  
Nomor Induk Mahasiswa : 032930  
Jenjang/Semester : S1/10  
Jurusan/Program : Pendidikan Bahasa Inggris  
Pendidikan Terakhir : SMU

dapat diberi pengantar untuk melakukan penelitian ke **SLTP Negeri Subang-Kuningan**

Penelitian ini dilakukan dalam rangka penyusunan skripsi yang berjudul:

**IMPROVING STUDENTS' MOTIVATION TO SPEAK ENGLISH THROUGH COLLABORATIVE LEARNING.**

Sebagai bahan pertimbangan, bersama ini kami lampirkan:

1. fotokopi proposal penelitian;
2. fotokopi Kartu Tanda Mahasiswa;
3. fotokopi kuitansi pembayaran SPP.

Atas perhatian Ibu, kami ucapkan terima kasih.



Tembusan :

1. Dekan FPBS UPI, sebagai laporan
2. Ketua Jurusan Pendidikan Bahasa Inggris  
Universitas Pendidikan Indonesia



PEMERINTAH KABUPATEN KUNINGAN  
DINAS PENDIDIKAN  
**UPTD SMP NEGERI 1 SUBANG**  
Jalan H.O. Iskandar No.16 Subang Kuningan Tlp. 876 651

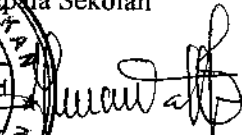
SURAT KETERANGAN  
NOMOR : 423.4 / 121 / SMPN – SBG / 2008

Yang bertanda tangan di bawah ini Kepala UPTD SMP Negeri 1 Subang Kabupaten Kuningan menerangkan bahwa :

Nama : Desi Sri Nurdianti  
NIM : 032930  
Program Studi : Pendidikan Bahasa Inggris  
Fakultas/UNIV : FPBS / UPI

Yang bersangkutan telah melaksanakan penelitian di kelas 7B dari tanggal 10 April s.d 31 Mei 2008 dengan surat pengantar dari Fakultas Bahasa dan Seni UPI No. 523 / H 40.3 / PL / 2008 Untuk penyusunan skripsi dengan judul “ IMPROVING STUDENTS’ MOTIVATION TO SPEAK ENGLISH THROUGH COLLABORATIVE LEARNING “.

Demikian surat keterangan ini kami buat agar dipergunakan sebagaimana mestinya.

Subang, 2 Juni 2008  
Kepala Sekolah  
  
EUIS LINAWATI, S.Pd  
NIP. 131 911 893





## CURRICULUM VITAE



DESI SRI NURDIANTI. She is the only child of Mr. Daslam and Mrs. Masrinah. She was born in Kuningan, December 4<sup>th</sup>, 1983. She spent her childhood in Subang, a beautiful small village in Kuningan-West Java, and finished her elementary and Junior High Schools there. Then, she moved to Kuningan to finish her Senior High School at SMUN 2 Kuningan. UPI Bandung is the best University that she ever chose to expand her knowledge in order to build her beloved village. She took English Education Department as her major. During her study at the University, she joined ESA, KOPMA, and BAQI as the places where she enriched her life conception. She also has been working as a freelance translator until now.