

No	Induct	Name	Gender	Before (x1)	After (x2)
1	9483	Daniar Mukti Septianingtyas	P	75	80
2	9484	Desi Anisa Mitasari	P	79	82
3	9491	Fatchur Rozi	L	75	78
4	9494	Iriene Eka Siswanti	P	84	82
5	9498	Muhammad Nidhom	L	79	81
6	9501	Nunggal Mukti Pramidita	P	80	83
7	9513	Uni Baroroh Husnudin	P	77	80
8	9518	Aris Dwi Winanda	L	75	78
9	9531	Junita Adelina	P	76	77
10	9556	Ayu Nur Rohma	P	79	81
11	9559	Della Anggar Kusumawati	P	86	84
12	9560	Diah Mulia Putri	P	80	79
13	9565	Elvira Rista Vionita	P	84	80
14	9576	Neny Maulita Agustina	P	79	80
15	9583	Rohana Fadilah	P	77	81
16	9591	Bayu Hendrawan	L	80	74
17	9602	Iktia Dewi Shinta	P	79	82
18	9608	Miftahul Jannah	P	84	84
19	9615	Ryco Puji Setyono	L	80	79
20	9622	Yusnia Hamidah	P	80	80
21	9626	Al-Donna Zhara Khairani	P	82	81
22	9633	Dessy Setya Putri	P	78	75
23	9645	Kiki Ferawati	P	88	81
24	9649	Mei Anggreini Dewi	P	82	80
25	9665	Avininda Ferdiana	P	80	79
26	9666	Ayu Rahma Emilia	P	80	84
27	9673	Dimmas Aldo Rahman	L	85	75
28	9694	Zahidatul Rizkah	P	79	79
29	9702	Bahrul Ulumi	L	78	81
30	9709	Fithri Permata Sari	P	75	90
31	9715	Nova Ayu Trisnawati	P	75	78
32	9728	Vita Riski Firmanila	P	80	84
33	9739	Annisa Istighfarin R	P	75	71
34	9748	Ignatius Krisnanda Widyasta	L	75	87
35	9759	Nurul Dwi Mujiana	P	75	81
		TOTAL		2775	2811
		Mean		79,28	80,31

$$= 34$$

$$t = \frac{Md}{\sqrt{\frac{\sum x^2 d}{N(N-1)}}$$

$$= \frac{1,46}{\sqrt{\frac{603,69}{35(34)}}$$

$$= \frac{1,46}{\sqrt{0,057}}$$

$$= \frac{1,46}{0,238}$$

$$= 6,13$$

$$t_{\text{tabel}} = 1,697$$

$$t_{\text{hitung}} > t_{\text{tabel}} = 6,13 > 1,697$$

$$SD_{\text{experiment group}(x1)} = \sqrt{\frac{\sum d^2}{N}}$$

$$= \sqrt{\frac{678}{35}}$$

$$= \sqrt{19,37}$$

$$= 4,40$$

Table 4
The Calculation Score of Control Group

No	Induct	Name	Gender	Before (y1)	Without (y2)	d	d ²
1	9493	Ina Mariana	P	78	75	-3	9
2	9499	Mukhlis Hidayatullah	L	75	75	0	0
3	9502	Nurul Amalia Fadilatul Ilmiah	P	80	77	-3	9

4	9510	Sri Wahyuni	P	82	76	-6	36
5	9512	Umroh Atul Arifah	P	80	76	-4	16
6	9514	Yuni Rusdiana	P	78	75	-3	9
7	9517	Aprilia Titin Dwi Prastika	P	84	80	-4	16
8	9537	Muhammad Indiratno	L	75	70	-5	25
9	9540	Nur Maziyya	P	83	78	-5	25
10	9553	Agni laila Yuni Astono	P	80	76	-4	16
11	9557	Bambang Dwi Cahyo	L	75	68	-7	49
12	9570	Galoh Ajeng Wahyuningtyas	P	80	74	-6	36
13	9577	Ninis Nur Solichah	P	80	77	-3	9
14	9596	Fiona Setyo Resmawati	P	82	79	-2	4
15	9599	Fitriana Kusuma Dewi	P	75	69	-6	36
16	9600	Fridayati Andi Marsela	P	80	78	-2	4
17	9603	Impuni Iqa Ryandini	P	75	71	-4	16
18	9613	Ria Ayu Anggraeni	P	76	72	-4	16
19	9614	Rizki Eka Firdausi	P	82	80	-2	4
20	9629	Andita Rama Yaninda	P	77	72	-5	25
21	9631	Anisa Ayu Istiqomah	P	76	72	-4	16
22	9642	Indriana Puspa Dini	P	78	72	-6	36
23	9653	Prayoga Rendra Vendiktama	L	88	78	-10	100
24	9655	Rakhmad Hidayatulloh P	L	84	76	-8	64
25	9677	Intan Farida Yuwono	P	75	73	-2	4
26	9680	Khusma Efinia	P	82	76	-6	36
27	9683	Nafi' Hadi Taufiqul Kirom	P	75	73	-2	4
28	9693	Yesi Eka Susanti	P	82	77	-5	25
29	9699	Ainur Yuniarti Faega	P	75	74	-1	1
30	9714	Mentari Dwi Nuraeni	P	75	74	-1	1
31	9726	Ucik Lestari	P	79	74	-5	25
32	9755	Nany Wijaya	P	75	75	0	0
33	9756	Ninik Handayani	P	75	79	4	16
34	9762	Sella Noviantri	P	78	80	2	4
		TOTAL		2662	2574	-122	692
		Mean		78,23	75,71	-3,58	20,35

$$\begin{aligned}
 &= \frac{-2,21}{14,21} \\
 &= -0,017
 \end{aligned}$$

$$\begin{aligned}
 \text{df} &= N-1 \\
 &= 34-1 \\
 &= 33
 \end{aligned}$$

$$t_{\text{tabel}} = 1,697$$

$$t_{\text{hitung}} < t_{\text{tabel}} = -0,017 < 1,697$$

$$\begin{aligned}
 \text{SD}_{\text{control group}(x2)} &= \sqrt{\frac{\sum d^2}{N}} \\
 &= \sqrt{\frac{692}{34}} \\
 &= \sqrt{20,35} \\
 &= 4,51
 \end{aligned}$$

The last analyze of significance difference score of both group.

$$\begin{aligned}
 t &= \frac{\sum Mx - \sum My}{s} \\
 s &= \sqrt{\frac{\sum Mx^2 + \sum My^2}{Nx + Ny - 2} \left(\frac{1}{Nx} + \frac{1}{Ny} \right)} \\
 &= \sqrt{\frac{6449,28 + 5633,08}{35 + 34 - 2} \left(\frac{1}{35} + \frac{1}{34} \right)}
 \end{aligned}$$

$$= \sqrt{\frac{12025,36}{67}(0,028 + 0,029)}$$

$$= \sqrt{\frac{12025,36}{67}(0,028 + 0,029)}$$

$$= \sqrt{129,82(0,057)}$$

$$= \sqrt{7,39}$$

$$= 2,71$$

$$t = \frac{\sum Mx - \sum My}{s}$$

$$= \frac{80,31 - 75,71}{2,92}$$

$$= \frac{4,6}{2,71}$$

$$= 1,697$$

$$df = df_{\text{expr. group}} + df_{\text{control group}}$$

$$= 34 + 33$$

$$= 67$$

$$t_{\text{tabel}} = 1,671$$

$$t_{\text{hitung}} > t_{\text{tabel}} = 1,697 > 1,671$$

Table 5

The Result of t-Test Calculation

Df	T value	T table	Significant level
67	1,697	1,671	0,05

Table 6

The Calculation Final Score of Experimental Group and Control Group

No	Experimental group (X)	Control group (Y)	X²	Y²
1	80	75	6400	5625
2	82	75	6724	5625
3	78	77	6084	5929
4	82	76	6724	5776
5	81	76	6561	5776
6	83	75	6889	5625
7	80	80	6400	6400
8	78	70	6084	4900
9	77	78	5929	6084
10	81	76	6561	5776
11	84	68	7056	4624
12	79	74	6241	5476
13	80	77	6400	5929
14	80	79	6400	6241
15	81	69	6561	4761
16	74	78	5476	6084
17	82	71	6724	5041
18	84	72	7056	5184
19	79	80	6241	6400
20	80	72	6400	5184
21	81	72	6561	5184
22	75	72	5625	5184
23	81	78	6561	6084

whole score before and the test scores in both groups. The score and the calculation could be seen in the table.

The increase of the scores in control group was lower than that of experimental group. There was an effect between the score before the treatment and the writers' test after using the lexical simplification.

So, students' ability in reading comprehension in experimental group after treatments by using lexical simplification have a mean score (80, 31) and in control group which giving original passages have a mean score (75, 71). It means that students in experimental group who get simplify passage can understand the meaning, so they can get a high score than the students in control group who get original passages.