**CHAPTER IV**

**RESEARCH FINDING AND DISCUSSION**

 This chapter presents the data of research finding, data analysis and discussion based on the result of research.

**A. Data of Research Finding**

 In this section, the researcher presented the students’ ability before and after being taught by using movie as technique in the process of teaching speaking. In this presentations, the researcher presented and analyzed the data which had been collected through two kinds of tests, they are pre-test and post-test. In was conducted to thirty one students.

**1. Description of proficiency of students before being taught by using movie**

 In this section, the researcher presented the result of the pre-test that had been tested before treatment.

 The total score has been gotten from score obtained by the students divided maximum score and multiplied 100 points, the equal or total score is 100 points. Or the formula is [(score obtained by the students: 6) x 100] =100 points. The description as follow:

**Table 4.1 the Students’ Scores before being Taught by Using Movie**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Code | Score Obtained | Total Score |
| 1. | A | 5 | 83 |
| 2. | B | 4 | 67 |
| 3. | C | 4 | 67 |
| 4. | D | 4 | 67 |
| 5. | E | 5 | 83 |
| 6. | F | 5 | 83 |
| 7. | G | 4 | 67 |
| 8. | H | 4 | 67 |
| 9. | I | 4 | 67 |
| 10. | J | 4 | 67 |
| 11. | K | 4 | 67 |
| 12. | L | 5 | 83 |
| 13. | M | 4 | 67 |
| 14. | N | 4 | 67 |
| 15. | O | 5 | 83 |
| 16. | P | 4 | 67 |
| 17. | Q | 5 | 83 |
| 18. | R | 4 | 67 |
| 19. | S | 4 | 67 |
| 20. | T | 5 | 83 |
| 21. | U | 4 | 67 |
| 22. | V | 4 | 67 |
| 23. | W | 4 | 67 |
| 24. | X | 4 | 67 |
| 25. | Y | 5 | 83 |
| 26. | Z | 4 | 67 |
| 27. | AA | 4 | 67 |
| 28. | AB | 5 | 83 |
| 29. | AC | 4 | 67 |
| 30. | AD | 5 | 83 |
| 31.  | AE | 4 | 67 |

Pre-test was held on March 28th, 2012 at 06.00 am until 07.30 am. Based on the table 4.1, it was concluded that about more than half of the sample (21 students) got 67 score; it means that their scores still under the minimal standard for global class that is 75, and only 10 students who got 83 score where they passed from the minimal standard for global class.

**2. Description of proficiency of students after being taught by using movie**

In this section, researcher presented the score of post-test after being taught by using movie. The description as follow:

**Table 4.2 the Student’s Scores after being taught by using Movie**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Code | Score Obtained | Total Score |
| 1. | A | 6 | 100 |
| 2. | B | 5 | 83 |
| 3. | C | 5 | 83 |
| 4. | D | 5 | 83 |
| 5. | E | 6 | 100 |
| 6. | F | 6 | 100 |
| 7. | G | 5 | 83 |
| 8. | H | 5 | 83 |
| 9. | I | 5 | 83 |
| 10. | J | 5 | 83 |
| 11. | K | 5 | 83 |
| 12. | L | 6 | 100 |
| 13. | M | 5 | 83 |
| 14. | N | 5 | 83 |
| 15. | O | 6 | 100 |
| 16. | P | 6 | 100 |
| 17. | Q | 6 | 100 |
| 18. | R | 5 | 83 |
| 19. | S | 5 | 83 |
| 20. | T | 6 | 100 |
| 21. | U | 5 | 83 |
| 22. | V | 5 | 83 |
| 23. | W | 5 | 83 |
| 24. | X | 5 | 83 |
| 25. | Y | 6 | 100 |
| 26. | Z | 5 | 83 |
| 27. | AA | 5 | 83 |
| 28. | AB | 6 | 100 |
| 29. | AC | 5 | 83 |
| 30. | AD | 6 | 100 |
| 31.  | AE | 5 | 83 |

Post-test was done on May 10th, 2012 at 06.00 am until 07.30 am. Based on the table 4.2, it was concluded that all students passed the minimal score.

**B. Data Analysis**

Based on the table 4.3 above, there was a different result of the score. The next steps for this study were computing by using T-test. It was used to know if there was any significant influence of the student’s improvement before and after being taught by using movie as technique in teaching speaking process in 5% and 1% of significant level.

 The researcher analyzed as follow:

**Identify Mean**

Before identify the mean, the researcher provided this table to ease in identifying T-Test. The table as follow:

**Table 4.3 The List of Students’ Improvement in Speaking before and after being taught by Using Movie**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Code | Pre-Test (X) | Post-Test (Y)  | D (Y-X) | $$ D(Y-X)^{2}$$ |
| 1. | A | 83 | 100 | 17 | 289 |
| 2. | B | 67 | 83 | 16 | 256 |
| 3. | C | 67 | 83 | 16 | 256 |
| 4. | D | 67 | 83 | 16 | 256 |
| 5. | E | 83 | 100 | 17 | 289 |
| 6. | F | 83 | 100 | 17 | 289 |
| 7. | G | 67 | 83 | 16 | 256 |
| 8. | H | 67 | 83 | 16 | 256 |
| 9. | I | 67 | 83 | 16 | 256 |
| 10. | J | 67 | 83 | 16 | 256 |
| 11. | K | 67 | 83 | 16 | 256 |
| 12. | L | 83 | 100 | 17 | 289 |
| 13. | M | 67 | 83 | 16 | 256 |
| 14. | N | 67 | 83 | 16 | 256 |
| 15. | O | 83 | 100 | 17 | 289 |
| 16. | P | 83 | 100 | 17 | 289 |
| 17. | Q | 83 | 100 | 17 | 289 |
| 18. | R | 67 | 83 | 16 | 256 |
| 19. | S | 67 | 83 | 16 | 256 |
| 20. | T | 83 | 100 | 17 | 289 |
| 21. | U | 67 | 83 | 16 | 256 |
| 22. | V | 67 | 83 | 16 | 256 |
| 23. | W | 67 | 83 | 16 | 256 |
| 24. | X | 67 | 83 | 16 | 256 |
| 25. | Y | 83 | 100 | 17 | 289 |
| 26. | Z | 67 | 83 | 16 | 289 |
| 27. | AA | 67 | 83 | 16 | 289 |
| 28. | AB | 83 | 100 | 17 | 289 |
| 29. | AC | 67 | 83 | 16 | 256 |
| 30. | AD | 83 | 100 | 17 | 289 |
| 31.  | AE | 67 | 83 | 16 | 256 |
|  | $\sum\_{}^{}X$= 2253 | $\sum\_{}^{}Y$= 2760 | $\sum\_{}^{}D $= 507 | $\sum\_{}^{}D^{2}$=8365  |

 Identify mean:

 MD = $\frac{∑D}{N}= \frac{507}{31}=16.35$

 Mean from X and Y

 MX = $\frac{∑X}{N}= \frac{2253}{31}=72.68$

 MY = $\frac{∑Y}{N}= \frac{2760}{31}=89$

 **Identifying T Test score (**$t\_{0}$**)**

 $SD\_{D}$ = $\sqrt{\frac{∑D^{2}}{N}- \left[\frac{∑D}{N}\right]^{2}} $

 = $\sqrt{\frac{8365}{31}- \left[\frac{507}{31}\right]^{2}}$

 = $\sqrt{269.84- \left[16.35\right]^{2}}$

 = $\sqrt{269.84- 267.32}$

 = $\sqrt{2.52}$

 = 1.58

$$SE\_{D= \frac{SD\_{D}}{\sqrt{N-1}} = \frac{1.58}{\sqrt{31-1}} = \frac{1.58}{\sqrt{30}} = \frac{1.58}{5.5}=0.28 }$$

$$t\_{0= \frac{MD}{SE.\_{MD}}= \frac{16.35}{\left(0.28\right).16.35}=3.57}$$

From the result above, to know the value degree of freedom (df) the formula is N-1 = 31-1 = 30, with df = 30 so, T-Table 5%=2.07. From the result and compared with T-Table conclude there is significant difference between the two means, before and after being taught by using movie.

**C. Hypothesis Testing**

 As cited before in chapter I, the research hypothesis were as follows:

1. The Alternative Hypothesis (Ha)

The students of the class XI at MAN Tulungagung 2 who were taught by using movie get better speaking ability than who were taught without using movie.

1. The Null Hypothesis (Ho)

The students of the class XI at MAN Tulungagung 2 who were taught by using movie did not get better speaking ability than who were taught without using movie.

The alternative hypothesis was formulated in the present study was tentative answer of the research problem. The statistical procedures which were used by the researcher as mentioned previously were t-test.

**D. Discussion**

From the formula above, the writer will discuss the result in more details. In this case, the writer uses the formulation T-Test from Sudijono.

The computation showed that the result is 3.57 and to know whether the difference was significant or not, the writer used the T-Table. If $t\_{0}$ > T-Table in N=31 significant 5%, the alternative hypothesis (Ha) is accepted; it means that there is significant difference to the eleventh grade students before and after being taught by using movie. The difference is significant. While if $t\_{0}$ < T-Table in N=31 significant 5%, the Null Hypothesis (Ho) is accepted; it means that there is no significant difference to the eleventh grade students before and after being taught by using movie. The difference is not significant.

Based on the statistical test by using T-test, it showed that score after being taught by using movie is 3.57 and the T-Table is 2.07, meaning that $t\_{0}$ is bigger than T-Table and Ha is accepted.

From the result, it can be concluded that “Teaching speaking by using movie has significant effect on the students’ speaking ability”.

According to Lindsay (2006) in teaching a foreign language, it will be much better to involve the student’s senses to ease their understanding to the target language. In this study, the researcher used movie as an audio visual media where it involve the student’s hearing and listening senses, besides as stated previously in chapter I, by using movie students not only can hear what the speaker’s says, but also they can see the natural conversation among the characters in the movie; the way how the characters speak to the interlocutor (the mimics, the body movement) also can be observed and this is the way how to make students who learn foreign language get closer to the native speaker.