## CHAPTER IV <br> RESEARCH FINDINGS AND DISCUSSION

This chapter presents the results of test given to the experimental and controlled group, and the questionniare responses given to the experimental group. Further, there are discussions of the test results to be analyzed for getting empirical evidence of the effect of presentation method on elearning environment towards students' speaking proficiency at the eleventh-grade of MAN 1 Kudus in academic year 2020/2021.

## A. Research Results

## 1. Description of Research Object

## a. History of MAN 1 Kudus

MAN 1 Kudus is one of islamic state senior high schools in Kudus. It is located on Conge Street, Ngembalrejo Bae Kudus regency, postcode 59322. MAN 1 Kudus was registered to the department of Education and Culture.

Furthermore, solidarity of MAN 1 Kudus was built by its vision and mission that highly dedicated as the main starting point to carry out the system. The vision of MAN 1 Kudus is:

Terbentuknya Generasi Islami, Unggul dan
Terampil dalam Ilmu Pengetahuan Teknologi
Moreover, the specific missions of MAN 1
Kudus are generated as follows:
a. Membentuk peserta didik kepribadian Quran, beriman dan bertakwa kepada Allah dalam implementasi kehidupan sehari-hari.
b. Membentuk peserta didik unggul dan berprestasi dalam bidang akademik dan nonakademik.
c. Membentuk peserta didik yang terampil dan татри berinovasi, serta berkompetisi dalam ilmu pengetahuan teknologi pada era globalisasi.

## 2. Data Analysis

The research data on simple paired T-test was carried out by distributing pre-test, treatment and posttest to 30 students of both class XI MIPA 3 and XI MIPA 4 at MAN 1 Kudus. The data were processed by using SPSS with the Comparative Hypothesis Test using Paired T Test and Associative HypothesisTest. The first step to determine the simple paired T-test must be carried out 2 test requirements, namely the normality test, homogeneity (non mutlak) and then paired T test.

The test was the primary data source for this research. The test was administrated at the beginning and the end of research. Those tests were given to both experimental and controlled groups. Furthermore, the result of the test would be presented in the following explanation.

Researcher has conducted paired T-test research by distributing pre-test, treatment and post-test to 30 students from both class XI MIPA 3 and XI MIPA 4 at MAN 1 Kudus. The research data consist of scores and descriptive statisctic analysis from both experimental and controlled classses are as follows.

Table 4. 1 Experimental Class

| No | Name | PRE- <br> TEST <br> SCORE | PRESENTATION <br> SCORE | POST- <br> TEST <br> SCORE |
| :---: | :--- | :---: | :---: | :---: |
| 1 | Adelia Salsabela | 74 | 95 | 85 |
| 2 | Ainun Nabilla <br> Mariana Safitri | 87 | 93 | 95 |
| 3 | Chasa Amila Afrida | 77 | 95 | 90 |
| 4 | Dwi Indah Musyiatun | 74 | 78 | 85 |
| 5 | Fadlila Nailis Saadah | 87 | 95 | 95 |
| 6 | Khiyarotun Nisak | 75 | 91 | 90 |
| 7 | Khofifah Diana <br> Pangestuti | 79 | 95 | 90 |


| 8 | Khoirin Nisatun <br> Nazilah | 77 | 82 | 85 |
| :---: | :--- | :---: | :---: | :---: |
| 9 | Nikhlatus Suroyya | 78 | 95 | 90 |
| 10 | Nilam Nur Aini | 83 | 95 | 95 |
| 11 | Niswatul Azkiya | 73 | 80 | 90 |
| 12 | Rana Rosida | 77 | 89 | 90 |
| 13 | Saffanatul Hikmah | 73 | 80 | 85 |
| 14 | Safira Salsabila | 90 | 93 | 95 |
| 15 | Uliya Rosyida | 79 | 91 | 90 |

Table 4. 2 Controlled Class

| No | Name | PRE- <br> TEST <br> SCORE | POST- <br> TEST <br> SCORE |
| :---: | :--- | :---: | :---: |
| 1 | Aldila Anwar Ridlo | 79 | 85 |
| 2 | Eka Kurnia Putri Apriliana | 77 | 85 |
| 3 | Fita Aprilia Putri | 75 | 80 |
| 4 | Istifaiya Velayali | 74 | 85 |
| 5 | Lutfiana Rahmadhani | 78 | 85 |
| 6 | Muhammad Asyrofi Asygaf | 72 | 80 |
| 7 | Muhammad Iqtada Aliyyuddin Hanif | 74 | 85 |
| 8 | Muhammad Rifqy Yazid | 84 | 85 |
| 9 | Nor Chalimatus Sa'adah | 81 | 85 |
| 10 | Putri Fartika Sari | 73 | 85 |
| 11 | Ratna Khoirunnisa | 80 | 85 |
| 12 | Risma Putri Cahyani | 81 | 85 |
| 13 | Sela Amalia | 71 | 85 |
| 14 | Sri Nur Kayati | 73 | 85 |
| 15 | Umi Amalia | 72 | 85 |

Table 4. 3 Descirptive Statisctic analysis of Experimental Class
Descriptives

|  |  |  | Statistic | Std. Error |
| :---: | :---: | :---: | :---: | :---: |
| XI MIPA3 PreTest | Mean |  | 78.8667 | 1.40701 |
|  | 95\% Confidence Interval for Mean | Lower Bound Upper Bound | 75.8489 |  |
|  |  |  | 81.8844 |  |
|  | 5\% Trimmed Mean |  | 78.5741 |  |
|  | Median |  | 77.0000 |  |
|  | Variance |  | 29.695 |  |
|  | Std. Deviation |  | 5.44933 |  |
|  | Minimum |  | 73.00 |  |
|  | Maximum |  | 90.00 |  |
|  | Range |  | 17.00 |  |
|  | Interquartile Range |  | 9.00 |  |
|  | Skewness |  | . 924 | . 580 |
|  | Kurtosis |  | -. 260 | 1.121 |
| XI_MIPA3_PostTest | Mean | Lower Bound Upper Bound | 90.0000 | . 97590 |
|  | 95\% Confidence Interval for Mean |  | 87.9069 |  |
|  |  |  | 92.0931 |  |
|  | 5\% Trimmed Mean |  | 90.0000 |  |
|  | Median |  | 90.0000 |  |
|  | Variance |  | 14.286 |  |
|  | Std. Deviation |  | 3.77964 |  |
|  | Minimum |  | 85.00 |  |
|  | Maximum |  | 95.00 |  |
|  | Range |  | 10.00 |  |
|  | Interquartile Range |  | 10.00 |  |
|  | Skewness |  | . 000 | . 580 |
|  | Kurtosis |  | -1.077 | 1.121 |

Table 4. 4 Descirptive Statisctic analysis of Controlled Class Descriptive

|  |  | Statistic | Std. Error |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { PRE- } \\ & \text { TEST XI } \\ & \text { MIPA } 4 \end{aligned}$ | Mean | $\begin{aligned} & 76.2667 \\ & 74.0371 \end{aligned}$ |  |
|  | 95\% Confidence Interval for Mean |  |  |
|  |  | 78.4962 |  |
|  | 5\% Trimmed Mean | 76.1296 |  |
|  | Median | 75.0000 |  |
|  | Variance | 16.210 |  |
|  | Std. Deviation | 4.02611 |  |
|  | Minimum | 71.00 |  |
|  | Maximum | 84.00 |  |
|  | Range | 13.00 |  |
|  | Interquartile Range | 7.00 |  |
|  | Skewness | . 450 | 1.03954 |
|  | Kurtosis | -1.028 |  |
| POST- | Mean | 84.3333 | . 45426 |
| TEST XI | 95\% Confidence Lower Bound | 83.3590 |  |
| MIPA 4 | Interval for Mean Upper Bound | 85.3076 |  |
|  | 5\% Trimmed Mean | 84.5370 |  |
|  | Median | 85.0000 |  |
|  | Variance | 3.095 |  |
|  | Std. Deviation | 1.75933 |  |
|  | Minimum | 80.00 |  |
|  | Maximum | 85.00 |  |
|  | Range | 5.00 |  |
|  | Interquartile Range | . 00 |  |
|  | Skewness | -2.405 | . 580 |
|  | Kurtosis | 4.349 | 1.121 |

## a. Presentation Method

The data of this part is the result of presentation method conducted in experimental class. The standard of minimum completeness was 80. Further, the researcher determine how is the quality of presentation method on e-learning environment at MAN 1 Kudus. The following are statistic analysis of XI MIPA 3 students' scores of presentation method using SPSS 16.0 to get the normality test and the result of sample T-test.

1) Normality Test

The normality test on the data sample of presentation method of is to find out whether the sample comes from a normal population or not. The steps for the normality test are as follows:
a) $\mathrm{H}_{0}$ : the sample comes from a normally distributed population
$\mathrm{H}_{1}$ : the sample does not come from a normally distributed population
b) $\alpha($ alpha $)=0,05$
c) Count

Table 4. 5 Normality Test of Presentation Method

|  | Kolmogorov-Smirnov $^{\mathrm{a}}$ |  |  | Shapiro-Wilk |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| PRESENTATION <br> XI MIPA 3 | .241 | 15 | .019 | .773 | 15 | .002 |

a. Lilliefors Significance Correction
d) Decision

If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected

Because sign $(0.019)<\alpha(0.05)$ then $\mathrm{H}_{0}$ is rejected
e) Conclusion

The data sample of XI MIPA 3 students' scores of presentation method at MAN 1 Kudus does not come from a normally distributed population.
2) One Sample T-Test

One Sample T-test on the data sample of presentation method of is to find out whether the sample the mean score of the students' presentations was 80 or not. The steps for the One Sample T-test are as follows:
a) $\mathrm{H}_{0}$ : the mean score of the students' presentations were $=80$
$\mathrm{H}_{1}$ : the mean score of the students' presentations were $\neq 80$
b) $\alpha($ alpha $)=0,05$
c) Count

One-Sample Statistics

|  | N | Mean | Std. <br> Deviation | Std. Error <br> Mean |
| :--- | ---: | ---: | ---: | :---: |
| PRESENTATION <br> XI MIPA 3 | 15 | 89.800 <br> 0 | 6.42762 | 1.65960 |

Table 4. 6 One-Sample Test of Presentation Method

|  | Test Value $=80$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | t | df | Sig. (2tailed) | Mean <br> Differe nce | 95\% Confidence Interval of the Difference |  |
|  |  |  |  |  | Lower | Upper |
| PRESENTATIO <br> N XI MIPA 3 | $\begin{array}{r} 5.90 \\ 5 \end{array}$ | 14 | . 000 | 9.8000 0 | 6.240 5 | 13.3595 |

d) Decision

If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected

Because sign $(0.000)<\alpha(0.05)$ then $\mathrm{H}_{0}$ is rejected
e) Conclusion

The mean score of XI MIPA 3 students' scores of presentation method at MAN 1 Kudus were $\neq 80$

## b. Students' Pre-Test Score

The data of this part is the result of pre-test conducted in experimental and controlled class. The scores were classified based on the score of speaking with five aspects. The standard of minimum completeness of English mastery was 80. Therefore, the low scores were below the standard of minimum completeness.

Based on the table above, the number of students in experimental class who get score classified into the low score was 11 students ( $73 \%$ ) with lowest score was 73 , the middle score was 3 student ( $20 \%$ ), and the high score was a student $(7 \%)$ with the highest score was 90 . While, in the controlled class, student who got low score was 11 students (73\%) with the lowest score was 71, middle score was 4 students ( $27 \%$ ) with the highest score was 84 . Therefore, the classification of low, middle, and high score showed that most of students in both classes got middle score ranged from $20 \%$ to $27 \%$.

The table also showed the mean score of pretest in experimental class was 78 and in the controlled class were 76. Hence, the mean score of experimental class was higher than the mean of controlled class. The following are the statistic analysis of pre-test scores of experimental and controlled class using SPSS 16.0 to get the result of the normality test and homogeneity test:

1) Normality Test

The normality test on the Comparative
Hypothesis Test between pre-test from experimental and controlled class is to find out
whether the sample comes from a normal population or not. The steps for the normality test are as follows:
a) $\mathrm{H}_{0}$ : the sample comes from a normally distributed population
$\mathrm{H}_{1}$ : the sample does not come from a normally distributed population
b) $\alpha($ alpha $)=0,05$
c) Count

Table 4. 7 Normality Test of Pre-Test

|  | $\mathrm{Ko}$ | $\begin{aligned} & \text { nogor } \\ & \text { nirnov } \end{aligned}$ |  |  | iro-W |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Statisti c | df | Sig. | Statisti c | df | Sig. |
| PreTest_S Experimental core Class | . 224 | 15 | . 042 | . 875 | 15 | . 040 |
| Controlled <br> Class | . 180 | 15 | 200* | . 930 | 15 | . 270 |

a. Lilliefors Significance Correction
*. This is a lower bound of the true significance.
d) Decision

If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted
If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected
(1) Pre-Test of experimental class $=$ because of sign. (0.042) $<\alpha$ (0.05) then $\mathrm{H}_{0}$ is rejected
(2) Pre-test from controlled class $=$ because sign. $(0.200)>\alpha(0.05)$ then $\mathrm{H}_{0}$ is accepted
e) Conclusion

The data sample of pre-test from experimental class at MAN 1 Kudus does not come from a normally distributed population. While pre-test from controlled
class at MAN 1 Kudus comes from a normally distributed population.
3) Homogeneity Test

The Purpose of homogeneity test is to know whether the data was in homogeneous variance or not. The steps to acquire the homogeneity test are as follows:
a) $\mathrm{H}_{0}$ : the data was homogeneous
$\mathrm{H}_{1}$ : the data was not homogeneous
b) $\alpha$ (alpha) $=0,05$
c) Count

Table 4. 8 Homogeneity Test of of Pre-Test
PreTest_Score

| Levene <br> Statistic | df1 | df2 | Sig. |
| ---: | ---: | ---: | ---: |
| .628 |  | 1 | 28 |
| 435 |  |  |  |

ANOVA

| PreTest_Score |  |  |  |  |  |
| :--- | ---: | ---: | :---: | :---: | :---: |
|  | Sum of <br> Squares | df | Mean <br> Square | F | Sig. |
| Between <br> Groups | 50.700 | 1 | 50.700 | 2.209 | .148 |
| Within Groups | 642.667 | 28 | 22.952 |  |  |
| Total | 693.367 | 29 |  |  |  |

d) Decision

If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted
If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected

Pre-Test between experimental and controlled classes $=$ because of sign. $(0.148)>\alpha(0.05)$ then $\mathrm{H}_{0}$ is accepted
e) Conclusion

The pre-test between experimental and controlled classess at MAN 1 Kudus was homogeneous.

## c. Students' Post-Test Score

The data presented in this part was the result of post-test in both experimental and controlled class. The score was classified into three categories like in the previous explanation of pre-test score. However, none of the students had low score both in experimental and controlled class. Therefore, all students had fulfilled the standard of minimum completeness of English score and all students' scores were classified into middle and high score.

The number of students who got middle score in experimental class was 4 students ( $27 \%$ ) with the lowest was 85 and the number of students who got high score was 11 students ( $73 \%$ ) with the highest score was 95 . Then, students in controlled class who got score classified into the middle score were 15 students ( $100 \%$ ) with the lowest score was 80 and the highest score was 85 . Therefore, the students' score distribution was still dominant in the middle score. However, the portion of middle score and high score in the post-test were more balance than in the pre-test. Furthermore, the table showed the mean score of post-test experimental class was 90 and in the controlled class were 84 .

The following are the statistic analysis of post-test scores of experimental and controlled class using SPSS 16.0 to get the result of the normality test and homogeneity test:

1) Normality Test

The normality test on the Comparative Hypothesis Test between post-test from experimental and controlled class is to find out whether the sample comes from a normal population or not. The steps for the normality test are as follows:
a) $\mathrm{H}_{0}$ : the sample comes from a normally distributed population
$\mathrm{H}_{1}$ : the sample does not come from a normally distributed population
b) $\alpha$ (alpha) $=0,05$
c) Count

Table 4.9 Normality Tests of Post-Test

|  | Class | KolmogorovSmirnov ${ }^{\text {a }}$ |  |  | Shapiro-Wilk |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Statist ic | df | Sig. | Statist ic | df | Sig. |
| PostTest <br> Score | Experimen tal Class | . 233 | 15 | . 027 | . 823 | 15 | . 007 |
|  | Controlled Class | . 514 | 15 | . 000 | . 413 | 15 | . 000 |

a. Lilliefors Significance Correction
d) Decision

If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted
(1) Post-Test of experimental class $=$ because of sign. (0.027) $<\alpha(0.05)$ then $\mathrm{H}_{0}$ is rejected
(2) Post-Test of controlled class $=$ because sign. $(0.00)<\alpha(0.05)$ then $\mathrm{H}_{0}$ is rejected
e) Conclusion

The data sample of post-test from both experimental class and controlled class at MAN 1 Kudus does not come from a normally distributed population.
2) Homogeneity Test

The Purpose of homogeneity test is to know whether the data was in homogeneous
variance or not. The steps to acquire the homogeneity test are as follows:
a) $\mathrm{H}_{0}$ : the data was homogeneous
$\mathrm{H}_{1}$ : the data was not homogeneous
b) $\alpha$ (alpha) $=0,05$
c) Count

Table 4. 10 Homogeneity Test of of Post-Test PostTest_Score

| Levene <br> Statistic | df1 | df2 | Sig. |  |
| ---: | ---: | ---: | ---: | ---: |
| 4.111 |  | 1 | 28 |  |

d) Decision
If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted
If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected
conrorreac crasses $=$ oecause or sign.
$(0.052)>\alpha(0.05)$ then $\mathrm{H}_{0}$ is accepted
e) Conclusion

The post-test between experimental and controlled classes at MAN 1 Kudus was homogeneous.

## d. Paired T-Test

Paired T test in the Comparative Hypothesis
Test is to determine whether there is a difference between two variables, post-test of experimental class and post-test from controlled class or not. The Paired T test steps are as follows:

1) $\mathrm{H}_{0}$ : There is no any difference between posttest of experimental class and post-test from controlled class with teaching method $\mathrm{H}_{1}$ : There is a difference between post-test of experimental class and post-test from controlled class with teaching method
2) $\alpha($ alfa $)=0,05$
3) Count

Table 4. 11 Paired Samples Statistics of Post-Test

|  | Mean | N | Std. <br> Deviation | Std. Error <br> Mean |
| :---: | ---: | ---: | ---: | :---: |
| Pair 1 POST-TEST XI <br> MIPA 3 | Me.000 | 15 | 3.77964 | .97590 |
| POST-TEST XI | 84.333 |  |  |  |
| MIPA 4 | 3 | 15 | 1.75933 | .45426 |

Paired Samples Correlations

|  |  | N | Correlation | Sig. |
| :--- | :--- | ---: | ---: | :--- |
| Pair 1 |  <br> POST-TEST XI MIPA 4 | 15 | .000 | 1.000 |

Paired Samples Test

|  | Paired Differences |  |  |  |  | ¢ | df | Sig. (2tailed) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mean | Std. Deviatio n | Std. Error Mean | 95\% <br> Confidence Interval of the Difference |  |  |  |  |
|  |  |  |  | Lowe <br> r | Upper |  |  |  |
| Pair POST- |  |  |  |  |  |  |  |  |
| $\begin{array}{\|ll} 1 & \text { TEST } \\ & \text { XI } \end{array}$ |  |  |  |  |  |  |  |  |
| MIPA 3 | 5.6666 | 4.16905 | 1.07644 | 3.357 | 7.97541 | 5. | 14 | 000 |
| - TEST |  |  |  | , |  | 4 |  |  |
| XI |  |  |  |  |  |  |  |  |
| MIPA 4 |  |  |  |  |  |  |  |  |

4) Decision

If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted
If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected
Because sign. $(0.000)<\alpha(0.05)$ then $\mathrm{H}_{0}$ is rejected
5) Conclusion

There is a difference between post-test of experimental class and post-test from controlled class with teaching method.
e. The Effect of Presentation Method towards Students' Speaking Proficiency

The research data on the effect of presentation method towards students' speaking proficiency of class XI MIPA 3 at MAN 1 Kudus as the experimental class were processed using SPSS with the Associative Hypothesis Test. The first step to determine the effect must be carried out 3 test requirements, namely the normality test, linearity test and homoscedasticity test. Further, the researcher determine the effect by using simple regression analysis. Here, The dependent variable is students' speaking proficiency while the independent variable is presentation method. The following are the explanation.

1) Normality Test

The normality test on the Associative Hypothesis Test (Correlation) between presentation method and students' speaking proficiency is to find out whether the sample comes from a normal population or not. The steps for the normality test are as follows:
a) $\mathrm{H}_{0}$ : the sample comes from a normally distributed population
$\mathrm{H}_{1}$ : the sample does not come from a normally distributed population
b) $\alpha$ (alpha) $=0,05$
c) Count

Table 4. 12 Normality Tests of Associative Hypothesis Test

a. Lilliefors Significance Correction
*. This is a lower bound of the true significance.
b. Speaking Proficiency XI MIPA 3 is constant when Presentation Method XI MIPA $3=78$. It has been omitted.
c. Speaking Proficiency XI MIPA 3 is constant when Presentation Method XI MIPA $3=82$. It has been omitted.
d. Speaking Proficiency XI MIPA 3 is constant when Presentation Method XI MIPA $3=89$. It has been omitted.
e. Speaking Proficiency XI MIPA 3 is constant when Presentation Method XI MIPA 3 = 91. It has been omitted.
f. Speaking Proficiency XI MIPA 3 is constant when Presentation Method XI MIPA 3 = 93. It has been omitted.
d) Decision

If Sign. > $\alpha$, then $\mathrm{H}_{0}$ was accepted
If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected
(1) Presentation Method $=$ because of sign. (0.2)> $\alpha(0.05)$ then $\mathrm{H}_{0}$ is accepted
(2) Students' Speaking Proficiency $=$ because sign. (0.2)> $\alpha(0.05)$ then $\mathrm{H}_{0}$ is accepted
e) Conclusion

The data sample of presentation method and students' speaking proficiency in class XI MIPA 3 at MAN 1 Kudus are
the samples which come from a normally distributed population.
2) Linearity Test

The linearity test in the Associative Hypothesis Test (Correlation) between presentation method and speaking proficiency is to determine whether the relationship between the two variables is linear or not. The linearity test steps are as follows:
a) $\mathrm{H}_{0}$ : The relationship between variables is linear
$\mathrm{H}_{1}$ : The relationship between variables is not linear
b) $\alpha$ (alpha) $=0,05$
c) Count

Table 4. 13 Linearity Test of Associative Hypothesis Test

d) Decision

If Sign. > $\alpha$, then $\mathrm{H}_{0}$ was accepted If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected

Because sign. (0.554)> $\alpha$ (0.05) then H0 is accepted
e) Conclusion

The relationship between the two variables, namely presentation method and speaking proficiency of class XI MIPA 3 at MAN 1 Kudus is linear.
3) Homoscedasticity Test

Homoscedasticity test on the Associative Hypothesis Test (Correlation) between presentation method and speaking proficiency is to find out whether the data is homoscedastic or not. The steps are as follows:
a) $\mathrm{H}_{0}$ : Data is homoscedasticity $\mathrm{H}_{1}$ : The data are not homoscedastic
b) $\alpha$ (alpha) $=0,05$
c) Count

Table 4. 14 Homoscedasticity test on the Associative
Hypothesis Test

|  | Model | Sum of Squares | df | Mean Square | F | Sig. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Regressio <br> n | 3.757 |  | 3.757 | 1.250 | . $284{ }^{\text {a }}$ |
|  | Residual | 39.071 | 13 | 3.005 |  |  |
|  | Total | 42.828 | 14 |  |  |  |

a. Predictors: (Constant), Presentation Method XI MIPA 3
b. Dependent Variable: RES_2
d) Decision

If Sign. $>\alpha$, then $\mathrm{H}_{0}$ was accepted If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected

Because sign. $(0,284)>\alpha(0.05)$ then $\mathrm{H}_{0}$ is accepted
e) Conclusion

Data on presentation method and speaking proficiency for class XI MIPA 3 at MAN 1 Kudus is homoscedasticity.
4) Simple Linear Correlation Test

After the 3 requirements (Normality Test, Linearity Test and Homoscedasticity Test) are fulfilled, the next step is to calculate the simple linear correlation test between presentation method and speaking proficiency for class XI MIPA 3 at MAN 1 Kudus. The steps are as follows:
a) $\mathrm{H}_{0}$ : There is no positive linear relationship between presentation method and speaking proficiency for class XI MIPA 3 at MAN 1 Kudus
$\mathrm{H}_{1}$ : There is a positive linear relationship between presentation method and speaking proficiency for class XI MIPA 3 at MAN 1 Kudus
b) $\alpha$ (alpha) $=0,05$
c) Count

Table 4. 15 Simple Linear Correlation Test

a. Predictors: (Constant), Presentation Method XI MIPA 3
b. Dependent Variable: Speaking Proficiency XI MIPA 3
d) Decision

If Sign. > $\alpha$, then $\mathrm{H}_{0}$ was accepted
If Sign. $<\alpha$, then $\mathrm{H}_{0}$ was rejected
Because sign. $(0,017)<\alpha(0.05)$ then $\mathrm{H}_{0}$ is rejected
e) Conclusion

There is positive linear relationship between presentation method and speaking proficiency for class XI MIPA 3 at MAN 1 Kudus.

## f. Students' Opinion of The Implementation of Presentation Method

Beside using t -test to investigate the effect of presentation method towards speaking proficiency, the researcher also used questionnaire to get students' opinion of using presentation method on e-learning environment. The questionnaires consisted of six open ended questions. The researcher attempted to ask their feeling and impression during the researcher applied the presentation method in online class. The respondents were the students in experimental class. Then, the result of the questionnaire was presented on appendices pages.

## B. Discussion

## 1. Presentation Method on E-learning Environment

Based on the data analysis of presentation method on e-learning environment using SPSS 16.0, it showed the results of One Sample T-Test that sig. 2tailed of XI MIPA 3 Students' presentations was 0,000 $<\alpha(0,05)$. It showed that mean scores of presentation method on e-learning environment at MAN 1 Kudus were $\neq 80$. The result stated that the quality of presentation method on e-learning environment at MAN 1 Kudus was good. This is in accordance with their score of presentation method which is assessed by using Brown's speaking assessment theory. There are two aspects to assess oral presentation, there are content and delivery. ${ }^{1}$

[^0]The logistics of presentation which the students made can include:
a. Date for presentation

Date for presentation was about 2 meetings exactly on third and fourth meetings for XI MIPA 3 at IAIN Kudus.
b. Time of day the presentation is to commence (AM or PM). It was 7.00-9.00 AM.
c. Duration, period of time available for the presentation. The group had 15 minutes to present their material through their PowerPoint file which they shared screen.
d. Location

Location is online class by using Google Meet conference. The teacher and the researcher had teamwork to make schedule to meeting and create the google meet link.
e. Style of venue such as auditorium, office, workplace department. Each place of students and teacher.
f. Content and topic identifying: what the presentation is intended to cover, parameters for the presentation, level of detail to be addressed. ${ }^{2}$ The students presented the materials about explanation text.

## 2. Students' Speaking Proficiency

Based on the data analysis of students' speaking post-test using SPSS 16.0, it showed the results of using Simple Paired T-Test that sig. 2 tailed of experimental and controlled classes was $0,000<\alpha$ $(0,05)$. It showed that there is a difference between post-test of experimental class and post-test from controlled class with teaching method. The result stated that the quality of students' speaking proficiency at MAN 1 Kudus was high because there is a difference between post-test scores of experimental and controlled class.

[^1]Based on the statistic analysis, students' speaking proficiency assessed based five categories, they are pronunciation, grammar, vocabulary, fluency and comprehension. ${ }^{3}$ Scores of its all components determined their scores. It made the differences between post-test of experimental and controlled class. As result, speaking proficiency at MAN 1 Kudus was high.
3. The Effect of Presentation Method towards Students' Speaking Proficiency

Based on the data analysis of simple regression analysis to determine the effect of presentation method towards students' speaking proficiency using SPSS 16.0, it showed the results that sign. is $(0,017)<\alpha$ ( 0.05 ). the results stated that there is positive linear relationship between presentation method and speaking proficiency for class XI MIPA 3 at MAN 1 Kudus.

In addition, this research also analyzed questionnaire to get students' point of view after doing the presentation performance and speaking test. This was same with the previous study that has been conducted by Rahayu which used reflections on her research in tenth graders at SMAN 1 Tangerang Selatan 2015/2016 academic year to get students' perspective on video-recorder speaking task. ${ }^{4}$ This research conduct the questionnaire to get the students' opinion about presentation method on e-learning environment to improve their speaking proficiency. They argued that the presentation method was acceptable and fascinating to practice speaking.

The students also stated that the task helped them to practice speaking, to explore their speaking skill without feeling embarrased, to provide sufficient time to speak, to know their ability in speaking, and to

[^2]express their idea with good arrangement of material to improve their confidence. ${ }^{5}$ It can make the students to comprehend new words, best approach to pronounce the words in new experience in learning English, and train their discipline. ${ }^{6}$ Further, these positive respond could be additional information why the presentation method on e-learning environment can improve students' speaking proficiency. Students had the opportunities to train speaking outside of class. ${ }^{7}$

On the other hand, the use of presentation method on e-learning environment also had weakness. Most students stated that the task was less effective. Some students also had complain, such as low of internet quota, the problem with their device, less pratice of pronunciation and their low motivation in doing the assignment because of dense of their school assignment.

Finally, the result and students' responds of the presentation method on e-learning environment corresponds to the previous study. The task was actually effective because it drills students' speaking proficiency. However, it also weakness which could be consideration for teacher or facilitator.

[^3]
[^0]:    ${ }^{1}$ H. Douglas Brown, Language Assessment: Principles and Classroom Practices (USA: Pearson Education, 2004), 180.

[^1]:    ${ }^{2}$ Manual, Prepare and Deliver a Presentation, 10.

[^2]:    ${ }^{3}$ Iwashita et al., "Assessed Levels of Second Language Speaking Proficiency : How Distinct?," 25.
    ${ }^{4}$ Rahayu, "The Effectiveness of Using Video-Recording Speaking Task on Students' Speaking Skill," 57.

[^3]:    ${ }^{5}$ Wallwork, English for Presentations at International Conferences Skills, 1.
    ${ }^{6}$ Iwashita et al., "Assessed Levels of Second Language Speaking Proficiency : How Distinct?," 25.
    ${ }^{7}$ Basilaia and Kvavadze, "Transition to Online Education in Schools during a SARS-CoV-2 Coronavirus (COVID-19) Pandemic in Georgia," 2.

