## CHAPTER IV

## RESEARCH FINDING AND ANALYSIS

## A. Description of the Research

The description of this research described that there were different result between experimental class which was taught by using Table-chart and control class which was not taught by using Table-chart in grammar achievement of Simple Future Tense. The research was conducted in MTs AL-ASROR which is located at Jalan Legoksari Raya No. 2 Patemon Gunungpati Semarang on second semester with the eighth grade students in the academic year of 2010/ 2011.

The activity of the research started on January $10^{\text {th }} 2011$ by choosing the sample used cluster random sampling. To get the representative sample, the researcher wrote the names of the classes on small piece of paper. And then, the papers were rolled and put into a slot of box. The last, the writer got class VIII C which consisted 38 students as try-out group, class VIII A which consisted of 40 students was as experimental group, and class VIII B which consisted of 40 students was as control group. The number of students was gain from the documentation of the related school by the help of the English teacher.

The documentation presented syllabus, lesson plan, sketch of the school, organization structure of the official, the number of students' development, and teachers' name list which were related the researcher's need to be done the research in the academic year of 2010/ 2011.

Before items were given to the students, the writer gave tryout test for try-out class on January $19^{\text {th }} 2011$ to analyze validity, reliability, difficulty level and also the discrimination power of each item. The researcher prepared 30 items as the instrument of the test. Test was given to know the validity, reliability, degree of test difficulty, and discriminating power of test items of try-out test in control class that was provided by the writer.

In this research finding of try out test, the researcher used productmoment formula to analyze validity. The researcher applied the spearmanbrown formula which was combined with product- moment formula to analyze reliability instrument. The degree of test difficulty used difficulty level formula by considered five levels of difficulty. The last analysis of try-out test was discriminating power by divided into two groups; lower group and upper group which consist of 19 students in each groups.

The writer gave pre-test on January $24^{\text {th }} 2011$ in control group and January $26^{\text {th }} 2011$ in experimental students. The questions consisted of 20 items were stated valid according to try-out analysis. After giving pre-test, the writer determined the materials and lesson plans of learning activities. Pre-test conducted to both groups to know that two groups were normal and homogeny.

After knowing the control group and experimental group had same variant. The writer conducted treatment in experimental class twice in week for 40 minutes each meeting. The first treatment conducted on January $28^{\text {th }}$ 2011 and the second treatment conducted on February $1^{\text {st }} 2011$ by using a medium of Table-chart which appropriate to teach Simple Future Tense because simple and memorable to interpret and map-out how the formula could be constructed and understood easily by the students.

There were some activities in experimental group using Table-chart to teach Simple Future Tense:

1. The teacher asked the students "what will you do in the next holiday?"
2. The teacher explained the material and formula of Simple Future Tense using a medium of Table-chart was like created on the black board.
3. The teacher divided students into some groups which consisted of five members for each group.
4. The teacher filled column of Table-chart by simple words based on their planning actions.
5. The students had to complete the columns by simple words according what they will do next holiday on their worksheet.
6. The Teacher gave some examples to change the simple words into affirmative, negative, and interrogative sentences based on Table-chart were written on the black board.
7. The volunteer group practiced the activities in front of the class in using Table-chart was like the teacher.
8. The teacher asked member of volunteer group completed the columns in white board and ask him to point other friends to change the simple words based on Table-chart was prepared into affirmative, negative, and interrogative sentences.
9. Every student had to create the Table Chart according their planning actions in the students' work sheet and prepared to present if chosen in front of the class.
10. The groups which changed the sentences into affirmative, negative and interrogative in the first time, they became the winner and got the reward. For the other groups had to make five sentences of Simple Future Tense for ten minutes as punishment.

The control group was not taught using Table-chart; just explaining the material orally based on the teacher's lesson plan without gave variation in learning process. The teacher also asked the students just to do the assignment until their felt bored in the class. The teaching also conducted twice a week on January $29^{\text {th }} 2011$ and February $2^{\text {nd }} 2011$ for 40 minutes for each meeting.

The evaluation of the research found some obstacles in teaching and learning process in control class. The first was this experimental research conducted after time of school was run out, so the students felt bad mood to build the better atmosphere because the other classes went home. Moreover, the students were hungry which gave bad affect to concern into the material which was given by the teacher. The students in experimental class also felt bored in beginning of teaching and learning atmosphere, but their got a great potential to build creativity and could accept materials of the lessons easily in
warm atmosphere of the classroom using medium of Table-chart in process of teaching and learning.

From the different situation, the researcher evaluated that the research should be conducted in time of the school, so the better result would be gained and in teaching and learning process. The teacher also had to know the names of the students because thy laughed if the teacher pointed some students to do the assignment in front of class, and they didn't do the teacher's instruction. This evaluation was done in the second meeting of teaching in control class and giving treatment in experimental class and could be as reference on the other occasion of the future teaching.

After gave treatments in experimental group and conventional teaching in control group, the writer gave post-test which consisted 20 test items which might finished on 30 minutes. Giving post test on January $4^{\text {th }} 2011$ both experimental group and control group.

From the post-test could be known that there were significant result between control group and experimental group by hypothesis test which showed the value of t-test is higher than $t$-table. It could be seen on the value of t-test is 7.10 while the critical value on $t_{s 0,05}$ is 1.98 , so the hypothesis is accepted. It meant that using a medium of Table-chart in teaching Simple Future Tense is effective and gave good result in teaching and learning process because the students felt interesting study in the classroom.

## B. The Data Analysis and Test of Hypothesis

## 1. The Data Analysis

a. The Data Analysis of Try-out Finding

This discussion covered validity, reliability, level of difficulty and discriminating power.

1) Validity of Instrument

As mentioned in chapter III, validity refers to the precise measurement of the test. In this study, item validity was used to know the index validity of the test. To know the validity of
instrument, the writer used the Pearson product moment formula to analyze each item.

It was obtained that from 30 test items; there were 21 test items which were valid and 9 test items which were invalid. They were on number $2,7,12,16,17,21,23,25,27$. They were invalid with the reason the computation result of their $\mathrm{r}_{x y}$ value (the correlation of score each item) was lower than their $\mathrm{r}_{\text {table }}$ value.

The following was the example of item validity computation for item number 1 and for the other items would use the same formula.

$$
\begin{aligned}
& \mathrm{N}=38 \quad \sum Y=762 \\
& \sum X Y=557 \quad \sum X^{2}=676 \\
& \sum X=26 \quad \sum Y^{2}=16076 \\
& r_{x y}=\frac{N \sum X Y-\sum(X) \sum(Y)}{\sqrt{\left.\left\{N \sum X^{2}-\left(\sum X\right)^{2}\right\} N \sum Y^{2}-\left(\sum Y\right)^{2}\right\}}} \\
& r_{x y}=\frac{38(557)-26(762)}{\sqrt{\left.\left\{38(26)-(26)^{2}\right) \int 38(16076)-(762)^{2}\right\}}} \\
& r_{x y}=\frac{21166-19812}{\sqrt{(988-676)(610888-580644)}} \\
& r_{x y}=\frac{1354}{\sqrt{9436123}} \\
& r_{x y}=\frac{1354}{3071,82} \\
& r_{x y}=0,44078104
\end{aligned}
$$

From the computation above, the result of computing validity of the item number 1 was 0.44078104 . After that, the writer consulted the result to the table of r Product Moment with
the number of subject $(\mathrm{N})=38$ and significance level $5 \%$ it was 0.320 . Since the result of the computation was higher than $r$ in table, the index of validity of the item number 1 was considered to be valid. The list of the validity of each item can be seen in appendix 4.
2) Reliability of Instrument

A good test must be valid and reliable. To get the coefficient of correlation, the writer applied the product-moment formula and then continued to the spearman-brown formula. The formula of product moment as follow:

Before computing the reliability, the writer had to compute product moment formula ( $r_{x y}$ ) with the formula below:

$$
\begin{aligned}
& \mathrm{N}=38 \quad \sum X Y=3951 \\
& \sum Y=395 \quad \sum X^{2}=3855 \\
& \sum Y^{2}=4319 \quad \sum X=367 \\
& r_{x y}=\frac{N \sum X Y-\sum(X) \sum(Y)}{\sqrt{\left.\left\{N \sum X^{2}-\left(\sum X\right)^{2}\right\} N \sum Y^{2}-\left(\sum Y\right)^{2}\right\}}} \\
& r_{x y}=\frac{38(3951)-(367)(395)}{\sqrt{\left\{38(3855)-(367)^{2}\right\}\left\{38(4319)-(395)^{2}\right\}}} \\
& r_{x y}=\frac{150138-144965}{\sqrt{(146490-134689)(164122-156025)}} \\
& r_{x y}=\frac{5173}{\sqrt{95552697}} \\
& r_{x y}=\frac{5173}{9775,10} \\
& r_{x y}=0,529201
\end{aligned}
$$

After finding product moment formula $\left(\mathrm{r}_{X Y}\right)$ the computation was continued to the spearman-brown formula as follow:

$$
\begin{aligned}
& r_{11}=\frac{2 \times r_{x y}}{1+r_{x y}} \\
& r_{11}=\frac{2 \times 0,529201}{1+0,529201} \\
& r_{11}=\frac{1,058402}{1,529201} \\
& r_{11}=0,692128
\end{aligned}
$$

From the computation above, it was found out that $r_{11}$ (the total of reliability test) was 0.692128 whereas the number of subjects was 38 and the critical value for r-table with significance level $5 \%$ was 0.320 . Thus, the value resulted from the computation was higher than its critical value. It could be concluded that the instrument used in this research was reliable.
3) The level of Difficulty

The following was the computation of the level difficulty for item number 1 and for the other items would use the same formula.

$$
\begin{aligned}
& \mathrm{R}=17+9=26 \\
& \mathrm{~N}=38
\end{aligned}
$$

$F V=\frac{R}{N}$
$F V=\frac{26}{38}$
$F V=0,68$
It was proper to say that the index difficulty of the item number 1 above can be said as the medium category, because the calculation result of the item number 1 was in the interval $0.30 \leq F V \leq 0.70$

After computing 30 items of the try-out test, there were 17 items were considered to be medium, 12 items were considered easy, and 1 item was difficult.
4) The Discriminating Power

The discrimination power of an item indicated the extent to which the item discriminated between the testees, separating the more able testees from the less able. The index of discriminating power told us whether those students who performed well on the whole test tended to do well or badly on each item in the test. To do this analysis, the number of try-out subjects was divided into two groups, upper and lower groups. They were upper and lower group.

Table 1
The Table of Discriminating Power of Item Number 1

| Upper Group |  |  | Low Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No | Code | Score | No | Code | Score |
| 1 | T-8 | 1 | 1 | T-9 | 0 |
| 2 | T-27 | 0 | 2 | T-4 | 0 |
| 3 | T-31 | 1 | 3 | T-19 | 1 |
| 4 | T-32 | 1 | 4 | T-20 | 0 |
| 5 | T-38 | 1 | 5 | T-37 | 1 |
| 6 | T-3 | 1 | 6 | T-36 | 1 |
| 7 | T-13 | 1 | 7 | T-2 | 1 |
| 8 | T-18 | 1 | 8 | T-22 | 1 |
| 9 | T-25 | 1 | 9 | T-10 | 0 |
| 10 | T-35 | 1 | 10 | T-5 | 0 |
| 11 | T-28 | 1 | 11 | T-15 | 1 |
| 12 | T-29 | 1 | 12 | T-16 | 0 |
| 13 | T-34 | 1 | 13 | T-17 | 0 |
| 14 | T-21 | 1 | 14 | T-7 | 0 |
| 15 | T-26 | 0 | 15 | T-30 | 0 |
| 16 | T-33 | 1 | 16 | T-1 | 1 |
| 17 | T-11 | 1 | 17 | T-14 | 1 |
| 18 | T-24 | 1 | 18 | T-12 | 1 |
| 19 | T-26 | 1 | 19 | T-23 | 0 |
| Sum |  |  |  | 17 |  |
| Sum | 9 |  |  |  |  |

T : Try Out Student

The following was the computation of the discriminating power for item number 1, and for other items would use the same formula.

This was the analysis of discriminating power for item number 1:
$\mathrm{n}=19$
$\mathrm{U}=17$
L=9
$D=\frac{\text { Correct } U-\text { Correct } L}{n}$
$D=\frac{17-9}{19}$
$D=\frac{8}{19}$
$D=0,4210526$
According to the criteria, the item number 1 above was good category, because the calculation result of the item number 1 was in the interval $0.40 \leq D \leq 0.70$.

After computing 30 items of try -out test and after being consulted to the discriminating power category, there were 6 items were considered to be good, 15 items were enough good (medium), 5 items were poor, and 4 items were very poor.

The result of the discriminating power of each item could be seen in appendix 4.

Based on the analysis of validity, reliability, difficulty level, and discriminating power, finally 20 items were accepted to be used in pre test and post test activity. They were number $1,3,4,5,6,8,9,10,11,13$, $14,18,19,20,22,24,26,28,29$, and 30.
b. The Data Analysis of Pre-test Value of the Experimental class and the Control Class.

Table 2
The list of Pre-test Value of the Experimental and Control Class

| No | Experimental class |  |  |  |  | Control class |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Code of the students | $x_{i}$ | $\left(x_{i}-\bar{x}\right)$ | $\left(x_{i}-\bar{x}\right)^{2}$ | Code of the students | $x_{i}$ | $\left(x_{i}-\bar{x}\right)$ | $\left(x_{i}-\bar{x}\right)^{2}$ |
| 1 | E-4 | 75 | 17.25 | 297.56 | C-4 | 75 | 18 | 324 |
| 2 | E-22 | 70 | 12.25 | 150.06 | C-7 | 70 | 13 | 169 |
| 3 | E-27 | 65 | 7.25 | 52.56 | C-17 | 65 | 8 | 64 |
| 4 | E-29 | 65 | 7.25 | 52.56 | C-24 | 65 | 8 | 64 |
| 5 | E-37 | 65 | 7.25 | 52.56 | C-5 | 65 | 8 | 64 |
| 6 | E-28 | 65 | 7.25 | 52.56 | C-14 | 65 | 8 | 64 |
| 7 | E-30 | 65 | 7.25 | 52.56 | C-18 | 65 | 8 | 64 |
| 8 | E-33 | 65 | 7.25 | 52.56 | C-19 | 60 | 3 | 9 |
| 9 | E-40 | 60 | 2.25 | 5.06 | C-21 | 60 | 3 | 9 |
| 10 | E-11 | 60 | 2.25 | 5.06 | C-26 | 60 | 3 | 9 |
| 11 | E-5 | 60 | 2.25 | 5.06 | C-27 | 60 | 3 | 9 |
| 12 | E-10 | 60 | 2.25 | 5.06 | C-28 | 60 | 3 | 9 |
| 13 | E-12 | 60 | 2.25 | 5.06 | C-39 | 60 | 3 | 9 |
| 14 | E-15 | 60 | 2.25 | 5.06 | C-11 | 60 | 3 | 9 |
| 15 | E-16 | 60 | 2.25 | 5.06 | C-16 | 60 | 3 | 9 |
| 16 | E-18 | 60 | 2.25 | 5.06 | C-29 | 60 | 3 | 9 |
| 17 | E-23 | 60 | 2.25 | 5.06 | C-36 | 60 | 3 | 9 |
| 18 | E-32 | 60 | 2.25 | 5.06 | C-37 | 60 | 3 | 9 |
| 19 | E-34 | 60 | 2.25 | 5.06 | C-2 | 55 | -2 | 4 |
| 20 | E-35 | 60 | 2.25 | 5.06 | C-6 | 55 | -2 | 4 |
| 21 | E-2 | 60 | 2.25 | 5.06 | C-8 | 55 | -2 | 4 |
| 22 | E-7 | 55 | -2.75 | 7.56 | C-10 | 55 | -2 | 4 |
| 23 | E-39 | 55 | -2.75 | 7.56 | C-12 | 55 | -2 | 4 |
| 24 | E-8 | 55 | -2.75 | 7.56 | C-15 | 55 | -2 | 4 |
| 30 | E-9 | 55 | -2.75 | 7.56 | C-30 | 55 | -2 | 4 |
| 26 | E-1 | 55 | -2.75 | 7.56 | C-32 | 55 | -2 | 4 |
| 27 | E-19 | 55 | -2.75 | 7.56 | C-35 | 55 | -2 | 4 |
| 28 | E-20 | 55 | -2.75 | 7.56 | C-40 | 55 | -2 | 4 |
| 29 | E-21 | 55 | -2.75 | 7.56 | C-1 | 55 | -2 | 4 |
| 30 | E-25 | 55 | -2.75 | 7.56 | C-3 | 55 | -2 | 4 |
| 31 | E-31 | 55 | -2.75 | 7.56 | C-13 | 55 | -2 | 4 |
| 32 | E-17 | 55 | -2.75 | 7.56 | C-22 | 50 | -7 | 49 |
| 33 | E-3 | 55 | -2.75 | 7.56 | C-25 | 50 | -7 | 49 |


| 34 | $\mathrm{E}-6$ | 50 | -7.75 | 60.06 | $\mathrm{C}-31$ | 50 | -7 | 49 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 35 | $\mathrm{E}-13$ | 50 | -7.75 | 60.06 | $\mathrm{C}-38$ | 50 | -7 | 49 |
| 36 | $\mathrm{E}-26$ | 50 | -7.75 | 60.06 | $\mathrm{C}-9$ | 50 | -7 | 49 |
| 37 | $\mathrm{E}-38$ | 50 | -7.75 | 60.06 | $\mathrm{C}-33$ | 50 | -7 | 49 |
| 38 | $\mathrm{E}-24$ | 50 | -7.75 | 60.06 | $\mathrm{C}-34$ | 50 | -7 | 49 |
| 39 | $\mathrm{E}-36$ | 45 | -12.75 | 162.56 | $\mathrm{C}-20$ | 45 | -12 | 144 |
| 40 | $\mathrm{E}-14$ | 40 | -17.75 | 315.06 | $\mathrm{C}-23$ | 40 | -17 | 289 |
| $\sum$ |  |  |  |  |  |  |  |  |
| $\bar{x}$ |  | 2310 | 0.00 | 1697.4 |  | 2280 | 0.00 | 1740 |

1) The Normality Pre-test of the Experimental Class

The normality test was used to know whether the data obtained was normally distributed or not. Based on the table above, the normality test:
Hypothesis:
Ha: The distribution list was normal.
Ho: The distribution list was not normal

## Test of hypothesis:

The formula was used:

$$
X^{2}=\sum_{i=1}^{k} \frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}
$$

The computation of normality test:

| Maximum score | $=75$ | N | $=40$ |
| :---: | :---: | :---: | :---: |
| Minimum score | $=40$ | Range | $=35$ |
| K / Number of class $=6$ |  | Length of the class | $=6$ |
| $\sum x$ | $=2310$ | $x$ | $=57.75$ |
| S | $=6.597$ |  |  |

Table 3
Frequency Distribution Pre test of the Experimental class

| $x_{i}$ | $f_{i}$ | $f_{i} x_{i}$ | $\left(x_{i}-\bar{x}\right)$ | $\left(x_{i}-\bar{x}\right)^{2}$ | $f_{i}\left(x_{i}-\bar{x}\right)^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40 | 1 | 40 | -17.75 | 315.06 | 315.06 |
| 45 | 1 | 45 | -12.75 | 162.56 | 162.56 |
| 50 | 5 | 250 | -7.75 | 60.06 | 300.3 |
| 55 | 12 | 660 | -2.75 | 7.56 | 90.72 |
| 60 | 13 | 780 | 2.25 | 5.06 | 65.78 |
| 65 | 6 | 390 | 7.25 | 52.56 | 315.36 |
| 70 | 1 | 70 | 12.25 | 150.06 | 150.06 |
| 75 | 1 | 75 | 17.25 | 297.56 | 297.56 |
| $\sum$ | 40 | 2310 |  |  | 1697.4 |
| $S=\sqrt{\frac{\sum f_{i}\left(x_{i}-\bar{x}\right)^{2}}{n-1}}=\sqrt{\frac{1697.4}{40-1}}=6.597$ |  |  |  |  |  |

Table 4
Normality Pre test of the Experimental Class

| Class interval | Limit class | $\begin{array}{\|l} \hline \mathrm{Z} \text { for the } \\ \text { limit } \\ \text { class } \end{array}$ | Opportu -nities Z | $\begin{array}{\|c\|} \hline \text { Size } \\ \text { classes } \\ \text { for } Z \end{array}$ | Ei | Oi | $\frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 39.5 | -2.77 | 0.497 |  |  |  |  |
| 40-45 |  |  |  | 0.028 | 1.12 | 2 | 0.571 |
|  | 45.5 | -1.86 | 0.469 |  |  |  |  |
| 46-51 |  |  |  | 0.140 | 5.6 | 5 | 0.064 |
|  | 51.5 | 0.95 | 0.329 |  |  |  |  |
| 52-57 |  |  |  | 0.313 | 12.52 | 12 | 0.022 |
|  | 57.5 | -0.04 | 0.016 |  |  |  |  |
| 58-63 |  |  |  | 0.292 | 11.68 | 13 | 0.149 |
|  | 63.5 | 0.87 | 0.308 |  |  |  |  |
| 64-69 |  |  |  | 0.155 | 6.2 | 6 | 0.006 |
|  | 69.5 | 1.78 | 0.463 |  |  |  |  |
| 70-75 |  |  |  | 0.033 | 1.32 | 2 | 0.350 |
|  | 75.5 | 2.69 | 0.496 |  |  |  |  |
| The result of computation Chi-Square/ $X^{2}$ |  |  |  |  |  |  | 1.162 |

With $\alpha=5 \%$ and $\mathrm{dk}=6-3=3$, from the chi-square distribution table, obtained $X_{\text {table }}=7.81$. Because $X^{2}$ count was lower than $X^{2}{ }_{\text {table }}(1.16<7.81)$. So, the distribution list was normal.
2) The Normality Pre-Test of the Control Class

## Hypothesis :

Ho: The distribution list was normal.
Ha: The distribution list was not normal.

## Test of hypothesis:

The formula was used:

$$
X^{2}=\sum_{i=1}^{k} \frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}
$$

The computation of normality test:

| Maximum score | $=75$ | N | $=40$ |
| :--- | :--- | :--- | :--- |
| Minimum score | $=40$ | Range | $=35$ |
| K/ Number of class | $=6$ | $\sum x$ | $=2074$ |
| Length of the class | $=6$ | $\bar{x}$ | $=57$ |
| S | $=6.679$ |  |  |

Table 5
Frequency Distribution Pre test of Control Class

| $x_{i}$ | $f_{i}$ | $f_{i} x_{i}$ | $\left(x_{i}-\bar{x}\right)$ | $\left(x_{i}-\bar{x}\right)^{2}$ | $f_{i}\left(x_{i}-\bar{x}\right)^{2}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 40 | 1 | 40 | -17 | 289 | 289 |
| 45 | 1 | 45 | -12 | 144 | 144 |
| 50 | 7 | 350 | -7 | 49 | 343 |
| 55 | 13 | 715 | -2 | 4 | 52 |
| 60 | 11 | 660 | 3 | 9 | 99 |
| 65 | 5 | 325 | 8 | 64 | 320 |
| 70 | 1 | 70 | 13 | 169 | 169 |
| 75 | 1 | 75 | 18 | 324 | 324 |
| $\sum$ | 40 | 2280 |  |  | 1740 |
|  |  |  |  |  |  |
| $S=\sqrt{\frac{\sum f_{i}\left(x_{i}-\bar{x}\right)^{2}}{n-1}}=\sqrt{\frac{1740}{40-1}}=6.679$ |  |  |  |  |  |
|  |  |  |  |  |  |

Table 6
Normality Pre test of the Control Class

| Class <br> interval | Limit <br> class | Z for the <br> limit <br> class | Opportu <br> -nities Z | Size <br> classes <br> for Z | Ei | Oi | $\frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $40-45$ | 39,5 | -2.62 | 0.496 |  |  |  |  |
|  | 45,5 | -1.72 | 0.457 |  |  |  |  |
| $46-51$ |  |  |  | 0.164 | 6.56 | 7 | 0.030 |
|  | 51,5 | -0.82 | 0.294 |  |  |  |  |
| $52-57$ |  |  |  | 0.266 | 10.64 | 13 | 0.523 |
|  | 57,5 | 0.07 | 0.028 |  |  |  |  |
| $58-63$ |  |  |  | 0.307 | 12.28 | 11 | 0.133 |
|  | 63,5 | 0.97 | 0.334 |  |  |  |  |
| $64-69$ |  |  |  | 0.135 | 5.4 | 5 | 0.030 |
|  | 69,5 | 1.87 | 0.469 |  |  |  |  |
| $70-75$ |  |  |  | 0.028 | 1.12 | 2 | 0.691 |
|  | 75,5 | 2.77 | 0.497 |  |  |  |  |
| The result of computation Chi-Square / $X^{2}$ |  |  | 1.531 |  |  |  |  |

With $\alpha=5 \%$ and $\mathrm{dk}=6-3=3$, from the chi-square distribution table, obtained $X_{\text {table }}=7.81$. Because $X^{2}{ }_{\text {count }}$ was lower than $X^{2}$ table $(1.53<7.81)$. So, the distribution list was normal.
3) The Homogeneity Pre-Test of the Experimental Class and Control Class

## Hypothesis:

$$
\begin{aligned}
& H_{o}: \sigma_{1}^{2}=\sigma_{2}^{2} \\
& H_{A}: \sigma_{1}^{2} \neq \sigma_{2}^{2}
\end{aligned}
$$

## Test of hypothesis:

The formula was used:

$$
F=\frac{\text { Biggest variant }}{\text { smallest variant }}
$$

## The Data of the research:

$\begin{array}{lll}\sigma_{1}^{2}=43.52 & \mathrm{n}_{1}=40 \\ \sigma_{2}^{2} & =44.62 & \mathrm{n}_{2}=40\end{array}$
$\sigma_{1}^{2}=S_{1}^{2}=\frac{\sum(x-\bar{x})^{2}}{n_{1}-1}=\frac{1697.4}{39}=43.52$
$\sigma_{2}^{2}=S_{2}^{2}=\frac{\sum(x-\bar{x})^{2}}{n_{2}-1}=\frac{1740}{39}=44.62$
Biggest variant $(\mathrm{Bv})=44.62$
Smallest variant $(\mathrm{Sv})=43.52$
$n_{1}=40$
$n_{2}=40$
Based on the formula, it was obtained:
$F=\frac{44.62}{43.52}=1.03$

With $\alpha=5 \%$ and $\mathrm{dk}=(40-1=39)$ : $(40-1=39)$, obtained
$F_{\text {table }}=1.69$. Because $F_{\text {count }}$ was lower than $F_{\text {table }}(1.03<1.69)$.
So, Ho was accepted and the two groups have same variant / homogeneous.
4) The average similarity Test of Pre-Test of Experimental and Control Classes

Hypothesis:
Ho: $\mu_{1}=\mu_{2}$
На: $\mu_{1} \neq \mu_{2}$

## Test of hypothesis:

Based on the computation of the homogeneity test, the experimental class and control class had same variant.

The formula was used:

$$
\begin{aligned}
& F=\frac{\text { Biggest var iant }}{\text { smallest variant }} \\
& t=\frac{\bar{X}_{1}-\overline{X_{2}}}{S \sqrt{\frac{1}{n_{1}}+\frac{1}{n_{2}}}} \quad S^{2}=\frac{\left(n_{1}-1\right) S_{1}^{2}+\left(n_{2}-1\right) S_{2}^{2}}{n_{1}+n_{2}-2}
\end{aligned}
$$

## The data of the research:

$$
\left.\begin{array}{ll}
\overline{x_{1}}=57.75 & \overline{x_{2}} \\
\mathrm{~S}_{1}^{2}=43.52 & \mathrm{~S}_{2}^{2} \\
n_{2} & =47 \\
\mathrm{n}_{1}=40 & =40
\end{array}\right] \begin{aligned}
& \text { S }=\sqrt{\frac{\left(n_{1}-1\right) S_{1}^{2}+\left(n_{2}-1\right) S_{2}^{2}}{n_{1}+n_{2}-2}} \\
& \mathrm{~S}=\sqrt{\frac{(40-1) 43.52+(40-1) 44.62}{40+40-2}}=6.64
\end{aligned}
$$

So, the computation t-test:

$$
t=\frac{\overline{x_{1}}-\overline{x_{2}}}{S \sqrt{\frac{1}{n_{1}}+\frac{1}{n_{2}}}}=\frac{57.75-57}{6.64 \sqrt{\frac{1}{40}}+\frac{1}{40}}=0.505
$$

With $\alpha=5 \%$ and $\mathrm{dk}=40+40-2=78$, obtained $t_{\text {table }}$ $=1.98$. Because $t_{\text {count }}$ was lower than $t_{\text {table }}(0.505<1.98)$. So, Ho was accepted and there was no difference of the pre test average value from both groups.

## c. The Data Analysis of Post-test Scores in Experimental Class and Control Class.

Table 7
The list of Post-test Value of the Experimental and Control Class

| No | Experiment class <br>  |  |  |  | Code of <br> the <br> students | $x_{i}$ |  | $\left(x_{i}-\bar{x}\right)$ |
| :---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Code of <br> the <br> students | $x_{i}$ | $\left(x_{i}-\bar{x}\right)$ | $\left(x_{i}-\bar{x}\right)^{2}$ |  |  |  |  |
|  | $\mathrm{E}-21$ | 95 | 17.5 | 306.25 | $\mathrm{C}-39$ | 85 | 17.75 | 315.06 |
| 2 | $\mathrm{E}-37$ | 95 | 17.5 | 306.25 | $\mathrm{C}-4$ | 75 | 7.75 | 60.06 |
| 3 | $\mathrm{E}-4$ | 85 | 7.5 | 56.25 | $\mathrm{C}-5$ | 75 | 7.75 | 60.06 |
| 4 | $\mathrm{E}-10$ | 85 | 7.5 | 56.25 | $\mathrm{C}-7$ | 75 | 7.75 | 60.06 |
| 5 | $\mathrm{E}-29$ | 85 | 7.5 | 56.25 | $\mathrm{C}-15$ | 75 | 7.75 | 60.06 |
| 6 | $\mathrm{E}-32$ | 85 | 7.5 | 56.25 | $\mathrm{C}-8$ | 75 | 7.75 | 60.06 |
| 7 | $\mathrm{E}-30$ | 85 | 7.5 | 56.25 | $\mathrm{C}-14$ | 70 | 2.75 | 7.56 |
| 8 | $\mathrm{E}-33$ | 80 | 2.5 | 6.25 | $\mathrm{C}-17$ | 70 | 2.75 | 7.56 |
| 9 | $\mathrm{E}-34$ | 80 | 2.5 | 6.25 | $\mathrm{C}-26$ | 70 | 2.75 | 7.56 |
| 10 | $\mathrm{E}-6$ | 80 | 2.5 | 6.25 | $\mathrm{C}-27$ | 70 | 2.75 | 7.56 |
| 11 | $\mathrm{E}-7$ | 80 | 2.5 | 6.25 | $\mathrm{C}-19$ | 70 | 2.75 | 7.56 |
| 12 | $\mathrm{E}-9$ | 80 | 2.5 | 6.25 | $\mathrm{C}-24$ | 70 | 2.75 | 7.56 |
| 13 | $\mathrm{E}-11$ | 80 | 2.5 | 6.25 | $\mathrm{C}-30$ | 70 | 2.75 | 7.56 |
| 14 | $\mathrm{E}-20$ | 80 | 2.5 | 6.25 | $\mathrm{C}-36$ | 70 | 2.75 | 7.56 |
| 15 | $\mathrm{E}-22$ | 80 | 2.5 | 6.25 | $\mathrm{C}-38$ | 70 | 2.75 | 7.56 |
| 16 | $\mathrm{E}-27$ | 80 | 2.5 | 6.25 | $\mathrm{C}-18$ | 70 | 2.75 | 7.56 |
| 17 | $\mathrm{E}-28$ | 80 | 2.5 | 6.25 | $\mathrm{C}-21$ | 70 | 2.75 | 7.56 |
| 18 | $\mathrm{E}-31$ | 80 | 2.5 | 6.25 | $\mathrm{C}-28$ | 70 | 2.75 | 7.56 |
| 19 | $\mathrm{E}-38$ | 80 | 2.5 | 6.25 | $\mathrm{C}-29$ | 70 | 2.75 | 7.56 |
| 20 | $\mathrm{E}-39$ | 80 | 2.5 | 6.25 | $\mathrm{C}-35$ | 65 | -2.25 | 5.06 |
| 21 | $\mathrm{E}-5$ | 75 | -2.5 | 6.25 | $\mathrm{C}-2$ | 65 | -2.25 | 5.06 |
| 22 | $\mathrm{E}-12$ | 75 | -2.5 | 6.25 | $\mathrm{C}-10$ | 65 | -2.25 | 5.06 |
| 23 | $\mathrm{E}-17$ | 75 | -2.5 | 6.25 | $\mathrm{C}-11$ | 65 | -2.25 | 5.06 |
| 24 | $\mathrm{E}-23$ | 75 | -2.5 | 6.25 | $\mathrm{C}-12$ | 65 | -2.25 | 5.06 |
| 30 | $\mathrm{E}-40$ | 75 | -2.5 | 6.25 | $\mathrm{C}-16$ | 65 | -2.25 | 5.06 |
| 26 | $\mathrm{E}-26$ | 75 | -2.5 | 6.25 | $\mathrm{C}-31$ | 65 | -2.25 | 5.06 |
| 27 | $\mathrm{E}-8$ | 75 | -2.5 | 6.25 | $\mathrm{C}-32$ | 65 | -2.25 | 5.06 |
| 28 | $\mathrm{E}-13$ | 75 | -2.5 | 6.25 | $\mathrm{C}-37$ | 65 | -2.25 | 5.06 |
| 29 | $\mathrm{E}-14$ | 75 | -2.5 | 6.25 | $\mathrm{C}-6$ | 65 | -2.25 | 5.06 |
| 30 | $\mathrm{E}-15$ | 75 | -2.5 | 6.25 | $\mathrm{C}-1$ | 65 | -2.25 | 5.06 |
| 31 | $\mathrm{E}-18$ | 75 | -2.5 | 6.25 | $\mathrm{C}-3$ | 65 | -2.25 | 5.06 |
| 32 | $\mathrm{E}-19$ | 75 | -2.5 | 6.25 | $\mathrm{C}-9$ | 65 | -2.25 | 5.06 |
| 33 | $\mathrm{E}-25$ | 70 | -7.5 | 56.25 | $\mathrm{C}-13$ | 65 | -2.25 | 5.06 |
|  |  |  |  |  |  |  |  |  |


| 34 | $\mathrm{E}-35$ | 70 | -7.5 | 56.25 | $\mathrm{C}-20$ | 60 | -7.25 | 52.56 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 35 | $\mathrm{E}-1$ | 70 | -7.5 | 56.25 | $\mathrm{C}-22$ | 60 | -7.25 | 52.56 |
| 36 | $\mathrm{E}-3$ | 70 | -7.5 | 56.25 | $\mathrm{C}-23$ | 60 | -7.25 | 52.56 |
| 37 | $\mathrm{E}-16$ | 70 | -7.5 | 56.25 | $\mathrm{C}-25$ | 60 | -7.25 | 52.56 |
| 38 | $\mathrm{E}-25$ | 70 | -7.5 | 56.25 | $\mathrm{C}-33$ | 60 | -7.25 | 52.56 |
| 39 | $\mathrm{E}-2$ | 65 | -12.5 | 156.25 | $\mathrm{C}-34$ | 60 | -7.25 | 52.56 |
| 40 | $\mathrm{E}-36$ | 60 | -17.5 | 306.25 | $\mathrm{C}-40$ | 50 | -17.25 | 297.56 |
| $\bar{\Sigma}$ |  | 3100 | 0.00 | 1850 |  | 2690 | 0.00 | 1397.4 |
| $\bar{x}$ |  | 77.5 |  |  |  |  |  |  |

1) The Normality Post-Test of the Experimental Class

Based on the table above, the normality test:

## Hypothesis :

Ho : The distribution list was normal.
Ha : The distribution list was not normal.

## Test of hypothesis:

The formula was used:
$\chi^{2}=\sum_{i=1}^{k} \frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}$
The computation of normality test:

| Maximum score | $=95$ | Range | $=35$ |
| :--- | :--- | :--- | :--- |
| Minimum score | $=60$ | N | $=40$ |
| K/ Number of class | $=6$ | Length of the class | $=6$ |
| $\sum x$ | $=3100$ | $\bar{x}$ | $=77.5$ |
| S | $=6.887$ |  |  |

Frequency Distribution of the Experimental Class

| $x_{i}$ | $f_{i}$ | $f_{i} x_{i}$ | $\left(x_{i}-\bar{x}\right)$ | $\left(x_{i}-\bar{x}\right)^{2}$ | $f_{i}\left(x_{i}-\bar{x}\right)^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | 1 | 60 | -17.5 | 306.25 | 306.25 |
| 65 | 1 | 65 | -12.5 | 156.25 | 156.25 |
| 70 | 6 | 420 | -7.5 | 56.25 | 337.5 |
| 75 | 12 | 900 | -2.5 | 6.25 | 75 |
| 80 | 13 | 1040 | 2.5 | 6.25 | 81.25 |
| 85 | 5 | 425 | 7.5 | 56.25 | 281.25 |
| 95 | 2 | 190 | 17.5 | 306.25 | 612.5 |
| $\sum$ | 40 | 3100 |  |  | 1850 |
| $S=\sqrt{\frac{\sum f_{i}\left(x_{i}-\bar{x}\right)^{2}}{n-1}}=\sqrt{\frac{1850}{40-1}}=6.887$ |  |  |  |  |  |

Table 9
Normality Post test of the Experimental Class

| Class <br> interval | Limit <br> class | Z for the <br> limit <br> class | Opportu <br> -nities Z | Size <br> classes <br> for Z | Ei | Oi | $\frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | 59.5 | -2.61 | 0.496 |  |  |  |  |
| $60-65$ |  |  |  | 0.037 | 1.48 | 2 | 0.183 |
|  | 65.5 | -1.74 | 0.459 |  |  |  |  |
| $66-71$ |  |  |  | 0.151 | 6.04 | 6 | 0.000 |
|  | 71.5 | -0.87 | 0.308 |  |  |  |  |
| $72-77$ |  |  |  | 0.308 | 12.32 | 12 | 0.008 |
|  | 77.5 | 0.00 | 0.000 |  |  |  |  |
| $78-83$ |  |  |  | 0.308 | 12.32 | 13 | 0.038 |
|  | 83.5 | 0.87 | 0.308 |  |  |  |  |
| $84-89$ |  |  |  | 0.151 | 6.04 | 5 | 0.179 |
|  | 89.5 | 1.74 | 0.459 |  |  |  |  |
| $90-95$ |  |  |  | 0.037 | 1.48 | 2 | 0.183 |
|  | 95,5 | 2.61 | 0.496 |  |  |  |  |
| The result of computation Chi-Square / $X^{2}$ |  |  |  | 0.591 |  |  |  |

With $\alpha=5 \%$ and $\mathrm{dk}=6-3=3$, from the chi-square distribution table, obtained $X_{\text {table }}=7.81$. Because $X^{2}$ count was lower than $X^{2}$ table ( $0.59<7.81$ ). So, the distribution list was normal.
2) The Normality Post-Test of the Control Class

## Hypothesis:

Ho : The distribution list was normal
Ha : The distribution list was not normal

## Test of hypothesis:

The formula was used:
$\chi^{2}=\sum_{i=1}^{k} \frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}$
The computation of normality test:

| Maximum score | $=85$ | Range | $=35$ |
| :--- | :--- | :--- | :--- |
| Minimum score | $=50$ | N | $=40$ |
| $\mathrm{~K} /$ many class interval | $=6$ | Length of the class | $=6$ |
| $\sum x$ | $=2690$ | $\bar{x}$ | $=67.25$ |
| S | $=5.986$ |  |  |

Table 10
Frequency Distribution the Control Class

| $x_{i}$ | $f_{i}$ | $f_{i} x_{i}$ | $\left(x_{i}-\bar{x}\right)$ | $\left(x_{i}-\bar{x}\right)^{2}$ | $f_{i}\left(x_{i}-\bar{x}\right)^{2}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 50 | 1 | 50 | -17.25 | 297.56 | 297.56 |
| 60 | 6 | 360 | -7.25 | 52.56 | 315.36 |
| 65 | 14 | 910 | -2.25 | 5.06 | 70.84 |
| 70 | 13 | 910 | 2.75 | 7.56 | 98.28 |
| 75 | 5 | 375 | 7.75 | 60.06 | 300.3 |
| 85 | 1 | 85 | 17.75 | 315.06 | 315.06 |
| $\sum$ | 40 | 2690 |  | 1397.4 |  |
|  | $S=\sqrt{\frac{\sum f_{i}\left(x_{i}-\bar{x}\right)^{2}}{n-1}}=\sqrt{\frac{1397.4}{40-1}}=5.986$ |  |  |  |  |

Table 11

Normality Post test of the Control Class

| Class <br> interval | Limit <br> class | Z for the <br> limit <br> class | Opportu <br> -nities Z | Size <br> classes <br> for Z | Ei | Oi | $\frac{\left(O_{i}-E_{i}\right)^{2}}{E_{i}}$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | 49.5 | -2.97 | 0.499 |  |  |  |  |
| $50-55$ |  |  |  | 0.024 | 0.96 | 1 | 0.001 |
|  | 55.5 | -1.96 | 0.475 |  |  |  |  |
| $56-61$ |  |  |  | 0.143 | 5.72 | 6 | 0.014 |
|  | 61.5 | -0.96 | 0.332 |  |  |  |  |
| $62-67$ |  |  |  | 0.316 | 12.64 | 14 | 0.146 |
|  | 67.5 | 0.04 | 0.016 |  |  |  |  |
| $68-73$ |  |  |  | 0.335 | 13.4 | 13 | 0.012 |
|  | 73.5 | 1.04 | 0.351 |  |  |  |  |
| $74-79$ |  |  |  | 0.128 | 5.16 | 5 | 0.005 |
|  | 79.5 | 2.05 | 0.480 |  |  |  |  |
| $80-85$ |  |  |  | 0.020 | 0.76 | 1 | 0.076 |
|  | 85.5 | 3.05 | 0.499 |  |  |  |  |
| The result of computation Chi-Square $/ X^{2}$ |  |  | 0.254 |  |  |  |  |

With $\alpha=5 \%$ and $\mathrm{dk}=6-3=3$, from the Chi-Square distribution table, obtained $X_{\text {table }}=7.81$. Because $X^{2}{ }_{\text {count }}$ was lower than $X^{2}$ table $(0.25<7.81)$. So, the distribution list was normal.
3) The Homogeneity Post-Test of the Experimental Class

## Hypotesis :

$H_{o}: \sigma_{1}^{2}=\sigma_{2}^{2}$
$H_{A}: \sigma_{1}^{2} \neq \sigma_{2}^{2}$

## Test of hypothesis:

The formula was used:

$$
F=\frac{\text { Biggest variant }}{\text { smallest variant }}
$$

## The data of the research:

$$
\begin{array}{llll}
\sigma_{1}^{2} & =47.44 & \mathrm{n}_{1} & =40 \\
\sigma_{2}^{2} & =35.83 & \mathrm{n}_{2} & =40
\end{array}
$$

$$
\begin{aligned}
& \sigma_{1}^{2}=S_{1}^{2}=\frac{\sum(x-\bar{x})^{2}}{n_{1}-1}=\frac{1850}{40-1}=47.44 \\
& \sigma_{2}^{2}=S_{2}^{2}=\frac{\sum(x-\bar{x})^{2}}{n_{2}-1}=\frac{1397.4}{40-1}=35.83
\end{aligned}
$$

Biggest variant $(\mathrm{Bv})=47.44$
Smallest variant $(\mathrm{Sv})=35.83$

$$
\begin{aligned}
& \mathrm{n}_{1}=40 \\
& \mathrm{n}_{2}=40
\end{aligned}
$$

Based on the formula, it was obtained:

$$
F=\frac{47.44}{35.83}=1.32
$$

With $\alpha=5 \%$ and $\mathrm{dk}=(40-1=39):(40-1=39)$, obtained $F_{\text {table }}=1.69$. Because $F_{\text {count }}$ was lower than $F_{\text {table }}(1.32<1.69)$. So, Ho was accepted and the two groups have same variant/ homogeneous.

## 2. The Hypothesis Test

In this research, because $\sigma_{1}{ }^{2}=\sigma_{2}{ }^{2}$ (has same variant), the t-test formula was as follows:

$$
t=\frac{\bar{X}_{1}-\overline{X_{2}}}{S \sqrt{\frac{1}{n_{1}}+\frac{1}{n_{2}}}} \quad S^{2}=\frac{\left(n_{1}-1\right) S_{1}^{2}+\left(n_{2}-1\right) S_{2}^{2}}{n_{1}+n_{2}-2}
$$

The data of the research:

$$
\begin{array}{lll}
\overline{x_{1}}=77.5 & \overline{x_{2}} & =67.25 \\
\mathrm{~S}_{1}^{2}=47.44 & \mathrm{~S}_{2}{ }^{2} & =35.83 \\
\mathrm{n}_{1}=40 & \mathrm{n}_{1} & =40
\end{array}
$$

$$
S=\sqrt{\frac{\left(n_{1}-1\right) S_{1}^{2}+\left(n_{2}-1\right) S_{2}^{2}}{n_{1}+n_{2}-2}}
$$

$$
\begin{aligned}
& S=\sqrt{\frac{(40-1) 47.44+(40-1) 35.83}{40+40-2}}=6.45 \\
& t=\frac{\overline{x_{1}}-\overline{x_{2}}}{S \sqrt{\frac{1}{n_{1}}+\frac{1}{n_{2}}}}=\frac{77.5-67.25}{6.45 \sqrt{\frac{1}{40}+\frac{1}{40}}}=7.104
\end{aligned}
$$

From the computation above, by $5 \%$ alpha level of significance and $\mathrm{dk}=40+40-2=78$. Obtained $t_{\text {table }}$ was 1.98 while $t_{\text {count }}$ was 7.10 . So, can be concluded Ho was rejected because $t_{\text {count }}$ was higher than the critical value on the $t_{\text {table }}(7.10>1.98)$.

From the result, the hypotheses in this research can be concluded that there was a significance difference in Simple Future Tense achievement score between experimental class was taught using Tablechart and control class was not taught using non-Table-chart.

## C. Discussion of Research Findings

Before giving the treatment, writer checked the balance of the students' initial ability of both classes. The data used to test the balance was the score of pre-test. Analysis of initial data was conducted through normality test that aimed at showing whether the data is normally distributed or not. This can be seen from the normality test with chi-square, where $X_{\text {count }}^{2}<X_{\text {table }}^{2}, \alpha=$ $5 \%, \mathrm{dk}=3$.

On the normality test of pre-test of the experimental class, it can be seen $X^{2}{ }_{\text {count }}(1.12)<X_{\text {table }}^{2}$ (7.81) and the control class $X^{2}{ }_{\text {count }}$ (1.53) $<X^{2}{ }_{\text {table }}(7.81)$. Since homogeneity test shows $F_{\text {count }}(1.03)<F_{\text {table }}(1.69)$, it can be concluded that the two classes is homogeneous. Based on the analysis of t-test at the pre-test, it is obtained $t_{\text {count }}=0.505$ with $t_{\text {table }}=1.98$ which proves that there is no difference of the average of pre-test between both classes.

The normality test of post-test of experimental class results $X^{2}$ count $(0.59)<X^{2}{ }_{\text {table }}(7.81)$ and control class results $X_{\text {count }}^{2}(0.25)<X_{\text {table }}$ (7.81).

The post-test demonstrate that the hypothesis of those classes is normal on the distribution. It is proved with $F_{\text {count }}(1.32)<F_{\text {table }}(1.69)$ from the homogeneity test that had the same variant.

From the last phase of the t -test, it is obtained $t_{\text {count }}=7.10$ with $t_{\text {table }}=$ 1.98 with the standard of significant $5 \%$. Because of $t_{\text {count }}>t_{\text {table }}=(7.10>1.98)$ so the hypothesis is accepted. It means that using Table-chart in teaching Simple Future Tense is effective.

Table Chart has some positive influences for the students in improving Simple Future Tense achievement. There were some reasons why the students can improve their Simple Future Tense by Using Table-chart. They were as follows:

1. By using Table-chart, the students will have encouragement and curiosity to find out the meaning of unfamiliar words. It was caused by the form; infinitive verb and time signal that were presented in Table-chart that incite the students' intention. The students should create simple verbs and time signals into Table-chart, with create their future planning.
2. Using Table-chart, the students can learn Simple Future Tense relaxes and enjoy. In the process of learning, teacher should be resourceful in determining the classroom setting in order to make students focus on the lesson.
3. The use of Table-chart in Senior High School can give opportunities for students to study grammar indirectly. It offers similar rich of opportunities for learning Simple Future Tense from context indirectly. So, students not only understand the meaning of Simple Future Tense, but also they can use it in daily life context

Based on the result of tests that had been done, it could be explained that using Table-chart in the process of learning English at VIIIB students of MTs AL-ASROR Semarang could help students' understanding on Simple Future Tense. In this case, students should create simple verbs and time signals into Table-chart, with create their future planning. It enabled the
students to be able to master the material related to Simple Future Tense easily because they were involved directly.

Meanwhile, teaching learning process in the control class was implemented through lecturing using text or classical way. In this process, the teacher explained the material using text. At the beginning of the process, the students were given a pre-test to know the initial ability of the students. Then, the students sat and paid attention to the teacher's explanation. However, students felt saturated with the material presented by the teacher because there were no interesting ways used in teaching learning process.

The result of the research shows that the experimental class (the students who were taught using Table-chart) has average score 77.5. Meanwhile, the control class (the students who were taught without using Table-chart) has average score 67.25. It can be said that the Simple Future Tense score of experimental class was higher than the control class. It means that there was a significant difference of the Simple Future Tense score between students taught using Table-chart and those taught without Tablechart.

On the other hand, the test of hypothesis using t -test formula shows the value of the t -test is higher than the critical value, $t_{\text {count }}>t_{\text {table }}\left(t_{\text {count }}\right.$ higher than $t_{\text {table }}$ ). The value of t-test is 7.10 , while the critical value on $t_{s 0,05}$ is 1.98 , the hypothesis is accepted.

In this research, the writer used the Table-chart to improve the grammar achievement of Simple Future Tense by the eighth grade students in MTS AL-ASROR Gunungpati Semarang in the academic year of 2010/ 2011. So, the research findings were only representative in that school. The writer hopes that more researches will be done by the others to prove this method in improving students' Simple Future Tense and to find out other methods in learning and teaching English.

## D. Limitation of the Research

The writer realizes that this research had not been done optimally. There were constraints and obstacles faced during the research process. Some limits of this research were:

1. Relative short time of research makes this research could not be done maximum.
2. The research was limited at MTS AL-ASROR Semarang in the academic year of 2010/2011. So that when the same research will be gone in other schools, it was still possible to get different result.
3. The implementation of the research process was less smooth; this was more due to lack of experience and knowledge of the writer.

Considering all those limitations, there was a need to do more research about teaching Simple Future Tense using Table-chart. However, this research might give a broader overview to everyone toward the importance of using Table-chart in teaching Simple Future Tense was appropriate. Moreover, the result of this research could be a basic reference for any future research related to grammar of Simple Future Tense.

