## CHAPTER IV

## FINDINGS AND DISCUSSION

## A. Research finding

After writer has observed and collected some data required, at this chapter, writer analyzed the data in line with research objective. The analysis steps are as follows:

1. To describe about Listening Intensity to English song of students in eleventh grade of SMA Unggulan Nurul Islami Mijen Semarang.
2. To describe about Vocabulary Power of students in students in eleventh grade of SMA Unggulan Nurul Islami Mijen Semarang.
3. The influence of Listening Intensity to English song toward Vocabulary Power of students in students in eleventh grade of SMA Unggulan Nurul Islami Mijen Semarang..

Before analyzing some problems, writer will describe about
SMA Unggulan Nurul Islami Mijen Semarang firstly.

## 1. General Description of SMA Unggulan Nurul Islami Mijen

 Semarang.a. School Location

The location of SMA Unggulan Nurul Islami is in Jl. Honggowoso number 09 Mijen Semarang. This location is
comfort and calm, because it is far from crowded area, so, this school is very good for teaching earning process.
b. History Of Establishing School

SMA Unggulan Nurul Islami was established on December $4^{\text {th }}, 2000$ by the society figures and educators. It is realization for paying attention from many figures about the importance of educational improvement in the future.

At December, 2000, SMA Unggulan Nurul Islami got certificate registered from Kanwil Depag Province of Central Java by number : 2047/103.07/MN/2000. This school stand on Nurul Islami institution and dr. H.S. Heri Prasetyo, MM as the owner of this institution.

## c. Vision, Mission, and School Purpose

a) Vision: committed to be professional education institution, excelling in the field of Science and Technology with good behavior.
b) Mission:

1) Implement education that has prime quality to the development of Science and Technology.
2) Boarding school education to students in order to deepen and practice of Al-Quran and Hadits.
c) School objective:
3) To increase knowledge and competence of students as a life modal in society
4) To organize and to develop formal education institution
5) To create the leaders who have good character and attitude.

## d. School Facilities

SMA Unggulan Nurul Islami Mijen Semarang has good facilities. There are classrooms, a headmaster room, a teacher too, a library room, a hall, a school healty unit room, an organization room, one counseling room, laboratories (computers, science, language), toilets, a park area, a canteen, and a mosque. And also some teaching facilities (OHPs, LCD projector, tape recorders, sound systems) and sport facilities (football field, basket field, volley field).
e. Extracurricular activities

SMA Unggulan Nurul Islami Mijen Semarang has some organizations to develop students' talent like OSIS, IPNU IPPNU, and other activity in certain days or after school. Extracurricular SMA Unggulan Nurul Islami Mijen Semarang such as a computer course, volleyball, basketball, al-Qur'an study, music, calligraphy and reporter.

## 2. Students' Listening Intensity to English Song

a. Measuring Questionnaire

In this research, the writer uses the questionnaire for the research to measure student's Listening Intensity to English

Song. Here the result of the questionnaire from the students to measure their Listening Intensity to English Song.

Table 4.1
The Score of Students' Listening Intensity to English Song

| No | Code <br> resp. | Score |
| :---: | :---: | :---: |
| 1 | $\mathrm{R}-01$ | 167 |
| 2 | $\mathrm{R}-02$ | 138 |
| 3 | $\mathrm{R}-03$ | 147 |
| 4 | $\mathrm{R}-04$ | 125 |
| 5 | $\mathrm{R}-05$ | 129 |
| 6 | $\mathrm{R}-06$ | 124 |
| 7 | $\mathrm{R}-07$ | 149 |
| 8 | $\mathrm{R}-08$ | 122 |
| 9 | $\mathrm{R}-09$ | 124 |
| 10 | $\mathrm{R}-10$ | 133 |
| 11 | $\mathrm{R}-11$ | 130 |
| 12 | $\mathrm{R}-12$ | 150 |
| 13 | $\mathrm{R}-13$ | 138 |
| 14 | $\mathrm{R}-14$ | 123 |
| 15 | $\mathrm{R}-15$ | 136 |
| 16 | $\mathrm{R}-16$ | 137 |
| 17 | $\mathrm{R}-17$ | 124 |
| 18 | $\mathrm{R}-18$ | 145 |
| 19 | $\mathrm{R}-19$ | 108 |
| 20 | $\mathrm{R}-20$ | 150 |
| 21 | $\mathrm{R}-21$ | 137 |
| 22 | $\mathrm{R}-22$ | 103 |
| 23 | $\mathrm{R}-23$ | 130 |
| 24 | $\mathrm{R}-24$ | 134 |
| 25 | $\mathrm{R}-25$ | 124 |
| 26 | $\mathrm{R}-26$ | 164 |
| 27 | $\mathrm{R}-27$ | 109 |
| 28 | $\mathrm{R}-28$ | 157 |


| No | Code <br> resp. | Score |
| :---: | :---: | :---: |
| 29 | R-29 | 138 |
| 30 | R-30 | 124 |
| 31 | R-31 | 136 |
| 32 | R-32 | 102 |
| 33 | R-33 | 131 |
| 34 | R-34 | 148 |
| 35 | R-35 | 136 |
| 36 | R-36 | 105 |
| Jumlah |  |  |

Table 4.2
Mean Score Distribution of Students' Listening Intensity to English song

| Interval | F | X | Fx |
| :---: | :---: | :---: | :---: |
| $102.00-112.00$ | 5 | 101,50 | 507.5 |
| $113.00-123.00$ | 2 | 112,50 | 225 |
| $124.00-134.00$ | 12 | 123,50 | 1482 |
| $135.00-145.00$ | 9 | 134,50 | 1210.5 |
| $146.00-156.00$ | 5 | 14,50 | 72.5 |
| $157.00-167.00$ | 3 | 156,50 | 469.5 |
| Total | 36 | 643 | 3967 |

Based on the result of mean calculation above, the next step is making the category. They are as follow:

$$
\begin{aligned}
\mathrm{M} & =\frac{\sum f x}{\mathrm{~N}} \\
& =\frac{3967}{36} \\
& =110.194
\end{aligned}
$$

## Table 4.3

The Quality of Students' Listening intensity to English song

| Class interval | Category | Quality |
| :---: | :---: | :---: |
| $146.00-156.00$ | High | Low |
| $124.00-134.00$ | Medium |  |
| $102.00-123.00$ | Low |  |

Based on the table above, it is known that the mean from students' listening intensity to English song variable in SMA Unggulan Nurul Islami Mijen Semarang is 110.194. It means that the category of students' listening intensity to English song is low. It is on interval 102.00-123.00.

## 3. The Influence of Students' Listening Intensity to English Song toward their Vocabulary Power.

## a. Measuring Students' Vocabulary Power

Table 4.4
The Score Students' Vocabulary Power

| No | Code resp. | Score |
| :---: | :---: | :---: |
| 1 | R-01 | 80 |
| 2 | R-02 | 60 |
| 3 | R-03 | 75 |
| 4 | R-04 | 65 |
| 5 | R-05 | 65 |
| 6 | R-06 | 65 |
| 7 | R-07 | 70 |
| 8 | R-08 | 65 |
| 9 | R-09 | 60 |
| 10 | R-10 | 50 |


| No | Code resp. | Score |
| :---: | :---: | :---: |
| 11 | R-11 | 60 |
| 12 | R-12 | 50 |
| 13 | R-13 | 65 |
| 14 | R-14 | 65 |
| 15 | R-15 | 60 |
| 16 | R-16 | 65 |
| 17 | R-17 | 70 |
| 18 | R-18 | 75 |
| 19 | R-19 | 50 |
| 20 | R-20 | 75 |
| 21 | R-21 | 65 |
| 22 | R-22 | 45 |
| 23 | R-23 | 55 |
| 24 | R-24 | 55 |
| 25 | R-25 | 60 |
| 26 | R-26 | 90 |
| 27 | R-27 | 55 |
| 28 | R-28 | 60 |
| 29 | R-29 | 45 |
| 30 | R-30 | 60 |
| 31 | R-31 | 60 |
| 32 | R-32 | 35 |
| 33 | R-33 | 55 |
| 34 | R-34 | 60 |
| 35 | R-35 | 40 |
| 36 | R-36 | 50 |
| Jumlah |  |  |
| 2180 |  |  |

Table 4.5
Mean Score Frequency Distribution Of Student's Vocabulary Power

| Interval | F | X | Fx |
| :---: | :---: | :---: | :---: |
| $35.00-44.00$ | 2 | 34.50 | 69 |
| $45.00-54.00$ | 6 | 44.50 | 267 |
| $55.00-64.00$ | 13 | 54.50 | 708.5 |
| $65.00-74.00$ | 10 | 64.50 | 645 |
| $75.00-84.00$ | 4 | 74.50 | 298 |
| $85.00-94.00$ | 1 | 84.50 | 84.5 |
| Total | 36 |  | 2072 |

Based on the result of mean calculation above, the next step is making the category. They are as follow:

$$
\begin{aligned}
\mathrm{M} & =\frac{\sum f x}{\mathrm{~N}} \\
& =\frac{2072}{36} \\
& =57,56
\end{aligned}
$$

Based on the result of mean calculation above, the next step is making the category. They are as follow:

## Table 4.6 <br> The Quality of Students' Vocabulary Power

| Class interval | Category | Quality |
| :--- | :---: | :---: |
| $75.00-84.00$ | Very good | Good |
| $55.00-64.00$ | Good |  |
| $35.00-54.00$ | Enough |  |

Based on the table above, it is known that the mean from students' vocabulary power variable in SMA Unggulan Nurul Islami Mijen Semarang is 57.56. It means that the category of students' vocabulary power is good. It is on interval 55.00-64.00.

## b. Test of Normality

1) Normality test of students' listening intensity to English song

The computation of normality test can be sequenced as follow:

Table 4.7
The Normality Test Data of Students' Listening Intensity to English Song

| Class Interval |  |  | Ei | Oi | $\begin{gathered} \hline(\mathrm{Oi}- \\ \mathrm{Ei})^{2} \\ \hline \mathrm{Ei} \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| 102.00 | - | 112.00 | 2.765 | 5 | 1.806 |
| 113.00 | - | 123.00 | 6.466 | 2 | 3.084 |
| 124.00 | - | 134.00 | 9.517 | 12 | 0.648 |
| 135.00 | - | 145.00 | 8.821 | 9 | 0.004 |
| 146.00 | - | 156.00 | 5.149 | 5 | 0.004 |
| 157.00 | - | 167.00 | 1.891 | 3 | 0.650 |
|  |  |  |  | 36 |  |
|  |  |  | $\chi^{2}$ | = | 6.196 |



Based on the computation above are gained $\chi^{2}{ }_{\text {score }}=6.196$ and $\chi^{2}{ }_{\text {table }}=7.81$ and $\mathrm{dk}=6-3=3, \alpha=$ $5 \%$. So, $\chi^{2}$ score $<\chi^{2}{ }_{\text {table }}$ it means the result of the data have normal distribution. The complete data can be looked at appendix.
2) Normality test of vocabulary power

The computation of normality test can be sequenced as follow:

Table 4.8
The Normality Test Data of Students' Vocabulary Power

| Class Interval |  | Ei | Oi | $\begin{aligned} & \hline(\mathrm{Oi}- \\ & \mathrm{Ei})^{2} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Ei |  |
| 35.00 | - 44.00 |  | 2.340 | 2 | 0.050 |
| 45.00 | - 54.00 | 7.870 | 6 | 0.444 |
| 55.00 | - 64.00 | 12.426 | 13 | 0.027 |
| 65.00 | - 74.00 | 9.229 | 10 | 0.064 |
| 75.00 | - 84.00 | 3.220 | 4 | 0.189 |
| 85.00 | - 94.00 | 0.526 | 1 | 0.428 |
|  |  |  | 36 |  |
|  |  | $\chi^{2} \quad \square$ | = | 1.201 |



Because ${ }^{2}$ in the revenue of Ho area, than that data is normal distribution

Based on the computation above are gained $\chi^{2}$ score $=$ 1.201 and $\chi^{2}$ table $=7.81$ and $\mathrm{dk}=6-3=3, \alpha=5 \%$. So, $\chi^{2}{ }_{\text {score }}<$ $\chi^{2}$ table it means the initial of control group distributed normally. The complete data can be looked at appendix.

## c. Test of Homogeneity

Test of homogeneity was done to know whether sample in the research come from population that had same variance or not. In this study, the homogeneity of the test was measured by comparing the obtained score $\left(\chi^{2}{ }_{\text {scorere }}\right)$ with $\chi^{2}$ table. Thus, if the obtained score ( $\chi^{2}$ score $)$ was lower than the $\chi^{2}$ table or equal, it could be said that the Ho was accepted.

Based on the homogeneity are gained $\chi^{2}$ score $=$ 8.897 and $\chi_{\text {table }}^{2}=36,42$ and $\mathrm{dk}=\mathrm{k}-1-14-1 \alpha=5 \%$. So, $\chi^{2}$ score $<\chi^{2}$ table. It means that the $\chi^{2}$ table variance was homogeneous. The analysis of homogeneity test could be seen in appendix.

## 4. Hypothesis Analysis

The analysis is used to prove that the hypothesis is accepted or rejected. In this research, the hypothesis is there is positive influence between students' listening intensity to English song and students' vocabulary power in eleventh grade students of SMA Nurul Islami Mijen Semarang in the academic year of $2012 / 2013$.

First, before analyzing the data the writer made the tabulation score of students.

## Table 4.9

The Coefficient Correlation Between Variable X (Students'
Listening Intensity To English Song ) And Variable Y (Students' Vocabulary Power)

| No | Kode | $\mathrm{X}_{1}$ | Y | $\mathrm{X}_{1}{ }^{2}$ | $\mathrm{Y}^{2}$ | $\mathrm{X}_{1} \mathrm{Y}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $\mathrm{R}-01$ | 167 | 80 | 27889 | 6400 | 13360 |
| 2 | $\mathrm{R}-02$ | 138 | 60 | 19044 | 3600 | 8280 |
| 3 | $\mathrm{R}-03$ | 147 | 75 | 21609 | 5625 | 11025 |
| 4 | $\mathrm{R}-04$ | 125 | 65 | 15625 | 4225 | 8125 |
| 5 | $\mathrm{R}-05$ | 129 | 65 | 16641 | 4225 | 8385 |
| 6 | $\mathrm{R}-06$ | 124 | 65 | 15376 | 4225 | 8060 |
| 7 | $\mathrm{R}-07$ | 149 | 70 | 22201 | 4900 | 10430 |
| 8 | $\mathrm{R}-08$ | 122 | 65 | 14884 | 4225 | 7930 |
| 9 | $\mathrm{R}-09$ | 124 | 60 | 15376 | 3600 | 7440 |
| 10 | $\mathrm{R}-10$ | 133 | 50 | 17689 | 2500 | 6650 |
| 11 | $\mathrm{R}-11$ | 130 | 60 | 16900 | 3600 | 7800 |
| 12 | $\mathrm{R}-12$ | 150 | 50 | 22500 | 2500 | 7500 |
| 13 | $\mathrm{R}-13$ | 138 | 65 | 19044 | 4225 | 8970 |
| 14 | $\mathrm{R}-14$ | 123 | 65 | 15129 | 4225 | 7995 |
| 15 | $\mathrm{R}-15$ | 136 | 60 | 18496 | 3600 | 8160 |
| 16 | $\mathrm{R}-16$ | 137 | 65 | 18769 | 4225 | 8905 |
| 17 | $\mathrm{R}-17$ | 124 | 70 | 15376 | 4900 | 8680 |
| 18 | $\mathrm{R}-18$ | 145 | 75 | 21025 | 5625 | 10875 |
| 19 | $\mathrm{R}-19$ | 108 | 50 | 11664 | 2500 | 5400 |
| 20 | $\mathrm{R}-20$ | 150 | 75 | 22500 | 5625 | 11250 |
| 21 | $\mathrm{R}-21$ | 137 | 65 | 18769 | 4225 | 8905 |
| 22 | $\mathrm{R}-22$ | 103 | 45 | 10609 | 2025 | 4635 |
| 23 | $\mathrm{R}-23$ | 130 | 55 | 16900 | 3025 | 7150 |
| 24 | $\mathrm{R}-24$ | 134 | 55 | 17956 | 3025 | 7370 |
| 25 | $\mathrm{R}-25$ | 124 | 60 | 15376 | 3600 | 7440 |
| 26 | $\mathrm{R}-26$ | 164 | 90 | 26896 | 8100 | 14760 |
| 27 | $\mathrm{R}-27$ | 109 | 55 | 11881 | 3025 | 5995 |
| 28 | $\mathrm{R}-28$ | 157 | 60 | 24649 | 3600 | 9420 |
| 29 | $\mathrm{R}-29$ | 138 | 45 | 19044 | 2025 | 6210 |
| 30 | $\mathrm{R}-30$ | 124 | 60 | 15376 | 3600 | 7440 |


| No | Kode | $\mathrm{X}_{1}$ | Y | $\mathrm{X}_{1}{ }^{2}$ | $\mathrm{Y}^{2}$ | $\mathrm{X}_{1} \mathrm{Y}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 31 | $\mathrm{R}-31$ | 136 | 60 | 18496 | 3600 | 8160 |
| 32 | $\mathrm{R}-32$ | 102 | 35 | 10404 | 1225 | 3570 |
| 33 | $\mathrm{R}-33$ | 131 | 55 | 17161 | 3025 | 7205 |
| 34 | $\mathrm{R}-34$ | 148 | 60 | 21904 | 3600 | 8880 |
| 35 | $\mathrm{R}-35$ | 136 | 40 | 18496 | 1600 | 5440 |
| 36 | $\mathrm{R}-36$ | 105 | 50 | 11025 | 2500 | 5250 |
| S |  | 4777 | 2180 | 642679 | 136350 | 293050 |


| $\mathrm{N}=36$ | $\Sigma \mathrm{X} 2=642679$ |
| :--- | :--- |
| $\Sigma \mathrm{X}=4777$ | $\Sigma \mathrm{Y} 2=136350$ |
| $\Sigma \mathrm{Y}=2180$ | $\Sigma \mathrm{XY}=293050$ |

To find out the correlation between students' listening intensity to English song and students' vocabulary power, the writer uses product moment :

## Coefficient Correlation on Linear Regression

$$
\begin{aligned}
r_{x y} & \left.=\frac{N \sum \mathrm{XY}-\left(\sum \mathrm{X}\right)\left(\sum \mathrm{Y}\right)}{\sqrt{\left\{N \sum X^{2}-\left(\sum X\right)^{2}\right\}}\left\{N \sum Y^{2}-\left(\sum Y\right)^{2}\right\}}\right] \\
r_{x y} & =\frac{36(293050)-(4777)(2180)}{\sqrt{\left\{36(642679)-(4777)^{2}\right\}\left\{36(136350)-(2180)^{2}\right\}}} \\
& =0.6112
\end{aligned}
$$

From the computation above, it is found that the correlation coefficient is 0.6112 . Where as the critical value of " r " with $95 \%$ significant level. Thus, the critical value is lower than the value resulted from the computation above. It means that the hypothesis was accepted. So, there is a high correlation between students' listening intensity to English song and students' vocabulary power.

Then, in order to measure the significant of the correlation, the writer uses the $T$-test calculation is as follow:

$$
t=\frac{\mathrm{r}_{\mathrm{xy}} \sqrt{n-2}}{\sqrt{1-\mathrm{r}_{\mathrm{xy}}^{2}}}
$$



$$
\mathrm{t}=\frac{0.61 \sqrt{36-2}}{\sqrt{1-0.374}}=4.503
$$

Finally, from the calculation above, we know that the score is 4.503. t score $=4.503>\mathrm{t}$ table $=2.03$. it means that
there is a significant correlation between students' listening intensity to English song and students' vocabulary power.

After getting the correlation, the writer uses regression formula to know degree of students' listening intensity to English song and students' vocabulary power.

$$
\hat{\mathrm{Y}}=\mathrm{a}+\mathrm{bX}
$$

With coefficient $a$ and $b$ with calculated as follow:

$$
\mathrm{a}=\frac{\sum \mathrm{Y} \sum \mathrm{X}^{2}-\sum \mathrm{X} \sum \mathrm{XY}}{\mathrm{~N} \sum \mathrm{X}^{2}-\left(\sum \mathrm{X}\right)^{2}}
$$

$$
\mathrm{b}=\frac{\mathrm{N} \sum \mathrm{XY}-\sum \mathrm{X} \sum \mathrm{Y}}{\mathrm{~N} \sum \mathrm{X}^{2}-\left(\sum \mathrm{X}\right)^{2}}
$$

$$
a=\frac{[2180][642679]-[4777)[293050]}{36(642679]-(4777)^{2}}
$$

$$
=3.601
$$

$$
\mathrm{b}=\frac{36[293050]-(4777)(2180]}{36[642679)-(4777)^{2}}
$$

$$
=0.429
$$

$$
=\mathrm{Y}=a+b x
$$

$$
=3.601+0.429 \mathrm{X}
$$

The simple linear equation between students' listening intensity to English song toward their vocabulary power are gained = $\hat{\mathrm{Y}}=3.601+0.429 \mathrm{X}$. it is mean that if the degree of students' listening intensity to English song more high, so the degree of students' vocabulary power also higher.

## The Significant and Linear Test of Equation Regression The Number of Equation

Table 4.10
Table of preparing JK (E)

| No | Kode | $\mathbf{X}_{\mathbf{1}}$ | $\mathbf{Y}$ | $\mathbf{X}_{\mathbf{1}}{ }^{\mathbf{1}}$ | $\mathbf{Y}^{\mathbf{2}}$ | $\mathbf{X}_{\mathbf{1}} \mathbf{Y}$ | JKE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | R-32 | 102 | 35.00 | 10404 | 1225 | 3570 | 0.00 |
| 2 | R-22 | 103 | 45.00 | 10609 | 2025 | 4635 | 0.00 |
| 3 | R-36 | 105 | 50.00 | 11025 | 2500 | 5250 | 0.00 |
| 4 | R-19 | 108 | 50.00 | 11664 | 2500 | 5400 | 0.00 |
| 5 | R-27 | 109 | 55.00 | 11881 | 3025 | 5995 | 0.00 |
| 6 | R-08 | 122 | 65.00 | 14884 | 4225 | 7930 | 0.00 |
| 7 | R-14 | 123 | 65.00 | 15129 | 4225 | 7995 | 0.00 |
| 8 | R-06 | 124 | 65.00 | 15376 | 4225 | 8060 | 80.00 |
| 9 | R-09 | 124 | 60.00 | 15376 | 3600 | 7440 |  |
| 10 | R-17 | 124 | 70.00 | 15376 | 4900 | 8680 |  |
| 11 | R-25 | 124 | 60.00 | 15376 | 3600 | 7440 |  |
| 12 | R-30 | 124 | 60.00 | 15376 | 3600 | 7440 |  |
| 13 | R-04 | 125 | 65.00 | 15625 | 4225 | 8125 | 0.00 |
| 14 | R-05 | 129 | 65.00 | 16641 | 4225 | 8385 | 0.00 |
| 15 | R-11 | 130 | 60.00 | 16900 | 3600 | 7800 | 12.50 |
| 16 | R-23 | 130 | 55.00 | 16900 | 3025 | 7150 |  |
| 17 | R-33 | 131 | 55.00 | 17161 | 3025 | 7205 | 0.00 |
| 18 | R-10 | 133 | 50.00 | 17689 | 2500 | 6650 | 0.00 |
| 19 | R-24 | 134 | 55.00 | 17956 | 3025 | 7370 | 0.00 |
| 20 | R-15 | 136 | 60.00 | 18496 | 3600 | 8160 | 266.67 |



## Acquitted Quadrate (dk)

| $\mathrm{dk}(\mathrm{a})$ | $=1$ |
| :--- | :--- |
| $\mathrm{dk}(\mathrm{b} \mid \mathrm{a})$ | $=1$ |
| $\mathrm{dk}(\mathrm{S})$ | $=\mathrm{n}-2=36,-2=34$ |
| $\mathrm{dk}(\mathrm{TC})$ | $=\mathrm{k}-2=25=-2=23$ |
| $\mathrm{dk}(\mathrm{E})$ | $=\mathrm{n}-\mathrm{k}=36,-25=11$ |

Middle Quadrate (KT)
$\underset{\mathrm{KT}}{\mathrm{K})} \quad=\frac{\mathrm{JK}(\mathrm{a})}{\mathrm{dk}(\mathrm{a})}=\frac{132011.111}{1}=132011.111$
$\underset{\mathrm{KT} \mid \mathrm{a})}{\mathrm{KT}}=\frac{\mathrm{JK}}{\mathrm{(b\mid a)}} \mathrm{dk(b\mid a)}=\frac{1620.777}{1}=1620.777$
$\begin{aligned} & \mathrm{KT} \\ & (\mathrm{S})\end{aligned} \quad=\frac{\mathrm{JK}(\mathrm{S})}{\mathrm{dk}(\mathrm{S})}=\frac{2718.111}{34}=79.944$
$\begin{aligned} & \mathrm{KT} \\ & (\mathrm{TC})\end{aligned} \quad=\frac{\mathrm{JK}(\mathrm{TC})}{\mathrm{dk}(\mathrm{TC})}=\frac{1829.778}{23}=79.556$
$\underset{(E)}{K T} \quad=\frac{\mathrm{JK}(E)}{\mathrm{dk}(E)}=\frac{888.333}{11}=80.758$

Table 4.11
The summary of Regression Analysis

| Variation | Dk | JK | RK | F | F <br> table | Criteria |
| :--- | :---: | ---: | ---: | :---: | :---: | :--- |
| Total | 36 | 136350.000 |  |  |  |  |
| Regresi (a) | 1 | 132011.111 | 132011.111 |  |  |  |
| Reresi (b\|a) | 1 | 1620.777 | 1620.777 | 20.27 | 4.130 | Signifikan |
| Residu (S) | 34 | 2718.111 | 79.944 |  |  |  |
| Tuna <br> Cocok (TC) | 23 | 1829.778 | 79.556 | 0.985 | 2.617 | Linier |
| Galat (E) | 11 | 888.333 | 80.758 |  |  |  |

Because f reg >f table, is $20.27>4.130$, hence, it indicates the significant value. It means that there is positive effect of student listening intensity to English song toward their vocabulary power.

## B. Discussion

Based on the hypothesis analysis of this study, it could be proved that the influence of students' listening intensity to English song toward their vocabulary power in SMA Nurul Islami Mijen Semarang showed significant result in $5 \%$ was significant. Thus, hypothesis was accepted. So, there was significant correlation between students' listening intensity to English song toward their vocabulary power.

Now, there are many ways to teach listening. Listening can be very enjoyable part in teaching learning process if the teachers use suitable media to teach it. Teaching listening using English song is make students more interest in learning process, they can listen
intensive to English song to improve themselves. Improving listening skills is not difficult, the teacher can makes easy to apply intensive listening performance by some steps and strategies. For example, the teacher listen the English song with certain intonation, stress, etc to the students. So the students really understand the lyric of the song by the teacher repetition to the song directly.

English song is a poetic word that is arranged by the writer in order to be sung in English language. English song is able to improve the students' vocabulary power. Because every students listen to the song, they can get the new vocabularies from every lyrics that they hear. Sometimes the students have certain motivation to master certain vocabulary, usually in relation to their need. Because of important of vocabulary, it needs a serious attention in learning vocabulary from both learner and teacher. It becomes a great challenging act for the teacher to teach vocabulary, what kinds of method they use, and what kind of vocabulary that they give or how many vocabularies that they should teach, so the students really understand about the vocabularies that they get.

In this research, the students in SMA Unggulan Nurul Islami Mijen Semarang who listen intensive to English song, got better score on vocabulary test. .

There are two variables in this research, independent variable and dependent variable. The independent variable $(\mathrm{X})$ in this research is students' listening intensity to English song in eleventh grade
students of SMA Unggulan Nurul Islami Mijen Semarang. The dependent variable (Y) is students' vocabulary power which influenced by students' listening intensity to English song.

In this research there are weakness and strengthness. The weakness in this research are the writer have limited times to listening English song together in the classroom directly and do not get more information about English program in this school. The strengthness is although the writer can not get the information from the students, the headmaster gave more detail information, from the history of the school, the activity of students and the information that the writer needs.

