## CHAPTER IV

## RESEARCH FINDING AND DISCUSSION

This chapter presents the research finding and the discussion. It provides the data found from the research. In addition, it discusses data description and presentation, analyzes English pronunciation and phonemic transcription data, and the correlation between the ability of phonemic transcription mastery and the English pronunciation.

## A. Research Finding

From the research conducted, it was obtained some data. There are two kinds of data source which was obtained; the data from pronunciation and phonemic transcription. The data is in the form of score, so it is included of interval data. After the data from pronunciation and phonemic transcription test were obtained, it was used to calculate the correlation between both of them.

1. The ability of English Pronunciation

Here is the table of pronunciation score of $6^{\text {th }}$ semester students from the smallest to the largest one:

Table 4.1
Pronunciation score

| No | Names of the students | Pronunciation Score |
| :---: | :---: | :---: |
| 1. | Mursyidah | 50 |
| 2. | Fatimah Ariyanti | 50 |
| 3. | Anisah | 50 |
| 4. | Santi Febrianti | 50 |
| 5. | Jumiati | 55 |
| 6. | Munadia | 55 |
| 7. | Nurul Husna | 55 |
| 8. | M. Ilhamsyah | 55 |
| 9. | Lailiati | 55 |
| 10. | Heri | 55 |
| 11. | M. Lintang islami | 60 |
| 12. | Yuspa Rifdayanti Fitri | 60 |
| 13. | Mariah Olfah | 60 |
| 14. | Laily Husna | 60 |
| 15. | Lia Agustina | 60 |
| 16. | M. Rizal Nashrullah | 60 |
| 17. | Aulia Noviana | 60 |
| 18. | Siti K holidah | 60 |
| 19. | Masniah Widyastuti | 60 |


| 20. | Zulkifli | 60 |
| :---: | :---: | :---: |
| 21. | Akhmad Mujakir | 60 |
| 22. | Mahbuub | 60 |
| 23. | Annisa Urrahmah | 60 |
| 24. | Marasdiansyah | 60 |
| 25. | Ruhaniah | 60 |
| 26. | Arini Huda | 60 |
| 27. | Ermayati | 60 |
| 28. | Mardiah | 60 |
| 29. | Maulida Hajriani | 65 |
| 30. | Anna Muliana | 65 |
| 31. | Eka | 65 |
| 32. | Dini Indriani | 65 |
| 33. | Marhamah | 65 |
| 34. | Miftah Farid | 65 |
| 35. | Nurhasanah | 65 |
| 36. | Herlianti | 65 |
| 37. | Hamidah | 65 |
| 38. | Fitrie | 65 |
| 39. | Siti Liani | 65 |
| 40. | Azizah Zahratun N isa | 65 |
| 41. | Jamiyah | 65 |


| 42. | Annita Rahmaniati | 70 |
| :---: | :---: | :---: |
| 43. | Aqila | 70 |
| 44. | Rahmawati | 70 |
| 45. | Ahmad Jamidi | 70 |
| 46. | Ardi | 70 |
| 47. | Azizah | 70 |
| 48. | Alpisah Norwahyuni | 70 |
| 49. | Normayani | 70 |
| 50. | M. Nasri | 70 |
| 51. | Rachmad Riyadi | 75 |
| 52. | Sari Aprilliana Fatmawati | 75 |
| 53. | Nadya Meilina | 80 |
| 54. | Jamiatul Ulya | 80 |
| 55. | Kharisma | 80 |
| 56. | Rahmaita | 80 |
| 57. | Deny Anugrah | 80 |
| 58. | Lily Nur izatti | 85 |
| 59. | Jakiah | 85 |
| 60. | Hj. Munawarah | 85 |
| TOTAL |  | 3890 |

The writer determines the students' pronunciation score by applying this formula:
$\mathrm{M}=\frac{\Sigma \mathrm{x}}{\mathrm{N}}$

M = Mean
$\sum \mathrm{X}=$ Total score of students' pronunc iation test
$\mathrm{N}=$ Total Number of the respondents

## Students' Pronunciation Score

$$
\begin{aligned}
\mathrm{M} & =\frac{\sum \mathrm{x}}{\mathrm{~N}} \\
& =\frac{3890}{60} \\
& =64,83
\end{aligned}
$$

After calculating the mean of the students test result by applying formula above, the writer determines the degree of the students' pronunciation by consulting to these following categories:

Table 4.2
Qualification of Students' Pronunciation

| No | Range of Score | Qualification | Frequency | Percentage |
| :---: | :---: | :---: | :---: | :---: |
| 1. | $80-100$ | Very Good | 8 | $13.3 \%$ |


| 2. | $60-<80$ | Good | 42 | $70 \%$ |
| :---: | :---: | :---: | :---: | :---: |
| 3. | $40-<60$ | Average | 10 | $16.7 \%$ |
| 4. | $20-<40$ | Bad | - | - |
| 5. | $0-<20$ | Very Bad | - | - |

It can be seen from the table that the score range $80-100$ is "very good" qualification in pronunciation, in which only 8 student or $13,3 \%$ of the students belong to this qualification. Most of the students have "good" qualification which is between the score range $60-<80$, in which there are $70 \%$ of the students or 42 students are included into this qualification. There are 10 students whose qualification between the score range $40-<60$. It means that $16,7 \%$ of the students have "average" qualification. Meanwhile, there are no student who has "bad" or "very bad" qualification, in which the score range is between 20-<40 for "bad, and between $0<20$ for "very bad".

After consulting to the categories, the writer can conclude that students' pronunciation is good.

## 2. The Ability of Phonemic Transcription Mastery

Besides the ability of pronunciation which was found out, it was also carried out the test which was conducted to know the students ${ }^{\text {ce }}$ ability of phonemic transcription mastery. Here is the table of phonemic transcription score of 6th semester students from the smallest to the largest one:

Table 4.3
Phonemic Transcription Score

| No | Names of the students | Phonemic Transcription Score |
| :---: | :--- | :---: |
| 1. | Mariah Olfah | 30 |
| 2. | Mursyidah | 30 |
| 3. | Anisah | 30 |
| 4. | M. Lintang islami | 35 |
| 5. | Jumiati | 35 |
| 6. | Munadia | 35 |
| 7. | Dini Indriani | 35 |
| 8. | Fatimah Ariyanti | 35 |
| 9. | Yuspa Rifdayanti Fitri | 40 |
| 10. | Laily Husna | 40 |
| 11. | Lily Nur izatti | 40 |
| 12. | Eka | 40 |
| 13. | Nurul Husna | 40 |
| 14. | Miftah Farid | 40 |
| 15. | Nurhasanah | 40 |
| 16. | Annisa Urrahmah | 40 |
| 17. | Ardi | 40 |
| 18. | Azizah | 40 |
| 19. | Maulida Hajriani | 40 |
|  |  | 40 |
| 10 |  |  |


| 20. | Herlianti | 45 |
| :---: | :---: | :---: |
| 21. | Marasdiansyah | 45 |
| 22. | Hamidah | 45 |
| 23. | Siti Liani | 45 |
| 24. | Ruhaniah | 45 |
| 25. | Lailiati | 45 |
| 26. | Santi Febrianti | 45 |
| 27. | M. Rizal Nashrullah | 50 |
| 28. | Anna Muliana | 50 |
| 29. | Aqila | 50 |
| 30. | Akhmad Mujakir | 50 |
| 31. | Kharisma | 50 |
| 32. | Rahmaita | 50 |
| 33. | Ahmad Jamidi | 50 |
| 34. | M. Ilhamsyah | 50 |
| 35. | Fitrie | 50 |
| 36. | Arini Huda | 50 |
| 37. | Alpisah Norwahyuni | 50 |
| 38. | Heri | 50 |
| 39. | M. Nasri | 50 |
| 40. | Siti Kholidah | 55 |
| 41. | Marhamah | 55 |


| 42. | Masniah Widyastuti | 55 |
| :---: | :---: | :---: |
| 43. | Rahmawati | 55 |
| 44. | Zulkifli | 55 |
| 45. | Azizah Zahratun N isa | 55 |
| 46. | Mardiah | 55 |
| 47. | Annita Rahmaniati | 60 |
| 48. | Jamiatul Ulya | 60 |
| 49. | Rachmad Riyadi | 60 |
| 50. | Hj. Munawarah | 60 |
| 51. | Mahbuub | 60 |
| 52. | Deny Anugrah | 60 |
| 53. | Ermayati | 60 |
| 54. | Jamiyah | 60 |
| 55. | Sari Aprilliana Fatmawati | 60 |
| 56. | Normayani | 60 |
| 57. | Jakiah | 65 |
| 58. | Nadya Meilina | 70 |
| 59. | Lia Agustina | 70 |
| 60. | Aulia Noviana | 70 |
| TOTAL |  | 2935 |

The writer determines the students' phonemic transcription mastery score by applying this formula:
$M=\frac{\Sigma \mathrm{x}}{\mathrm{N}}$

M $=$ Mean
$\sum \mathrm{X}=$ Total score of students' phonemic transcription mastery test
$\mathrm{N}=$ Total Number of the respondents

## Students' Phonemic Transcription Mastery Score

$$
\begin{aligned}
M & =\frac{\sum x}{N} \\
& =\frac{2935}{60} \\
& =48,91
\end{aligned}
$$

After calculating the mean of the students test result by applying formula above, the writer determines the degree of the students' phonemic transcription mastery by consulting to these following categories:

Table 4.4
Qualification of Students' Phonemic Transcription

| No | Range of Score | Qualification | Frequency | Percentage |
| :---: | :---: | :---: | :---: | :---: |
| 1. | $80-100$ | Very Good | - | - |


| 2. | $60-<80$ | Good | 14 | $23,3 \%$ |
| :---: | :---: | :---: | :---: | :---: |
| 3. | $40-<60$ | Average | 38 | $63,3 \%$ |
| 4. | $20-<40$ | Bad | 8 | $13,3 \%$ |
| 5. | $0-<20$ | Very Bad | - | - |

The table shows that no student has "very good" qualification, in which the score range is $80-100.23,3 \%$ of the students are between the score range $60-<80$. It means that 14 students are included into "good" qualification. 38 students or $63,3 \%$ of the students are between the score range $40-<60$, in which it is included "average" qualification. "Bad" qualification, which is between the score range $20-<40$, is $13,3 \%$ of the students or only 8 students. And there are no student included in 'bad' qualification‘ whose score range is between $0-<20$.

After consulting to the categories, the writer can conclude that students' phonemic transcription mastery is average.
3. Normality test

According to Sugiyono (2010, p. 75) before it is decided to use parametric statistic to calculate the correlation, it should be tested by the normality test. Therefore, it has been test for the normality. Here is the result:

Table 4.5

|  | Kolmogorov-Smimov ${ }^{\text {a }}$ |  |  | Shapiro-Wilk |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| Pronunciation | . 176 | 60 | . 000 | . 925 | 60 | . 001 |
| Transcription | . 111 | 60 | . 065 | . 962 | 60 | . 058 |

## a. Lilliefors Significance Correction

It can be seen from the table that the data distribution is normal based on the calculation of SPSS 17 by using kolmogorov-smirnov test.
4. The Correlation between the ability of phonemic transcription and the English pronunciation data from the ability of pronunciation and the phonemic transcription mastery was used to answer the last research question. It was used to analyze whether there is correlation between the ability of pronunciation and the phonemic transcription mastery. Here are both of the data:

Table 4.6
Pronunciation and Phonemic Transcription Score

| No | Names of the students | Pronunciation Score | Phonemic Transcription <br> Score |
| :---: | :--- | :---: | :---: |
| 1. | M. Lintang islami | 60 | 35 |
| 2. | Yuspa Rifdayanti Fitri | 60 | 40 |
| 3. | Annita Rahmaniati | 70 | 60 |


| 4. | Jumiati | 55 | 35 |
| :---: | :---: | :---: | :---: |
| 5. | Mariah Olfah | 60 | 30 |
| 6. | Maulida Hajriani | 65 | 45 |
| 7. | Laily Husna | 60 | 40 |
| 8. | Nadya Meilina | 80 | 70 |
| 9. | Lily Nur izatti | 85 | 40 |
| 10. | Jamiatul Ulya | 80 | 60 |
| 11. | Lia Agustina | 60 | 70 |
| 12. | M. Rizal Nashrullah | 60 | 50 |
| 13. | Aulia Noviana | 60 | 70 |
| 14. | Anna Muliana | 65 | 50 |
| 15. | Munadia | 55 | 35 |
| 16. | Siti Kholidah | 60 | 55 |
| 17. | Eka | 65 | 40 |
| 18. | Aqila | 70 | 50 |
| 19. | Dini Indriani | 65 | 35 |
| 20. | Rachmad Riyadi | 75 | 60 |
| 21. | Marhamah | 65 | 55 |
| 22. | Nurul Husna | 55 | 40 |
| 23. | Masniah Wid yastuti | 60 | 55 |
| 24. | Jakiah | 85 | 65 |
| 25. | Rahmawati | 70 | 55 |


| 26. | Zulkifli | 60 | 55 |
| :---: | :---: | :---: | :---: |
| 27. | Akhmad Mujakir | 60 | 50 |
| 28. | Hj. Munawarah | 85 | 60 |
| 29. | Miftah Farid | 65 | 40 |
| 30. | Mursyidah | 50 | 30 |
| 31. | Kharisma | 80 | 50 |
| 32. | Mahbuub | 60 | 60 |
| 33. | Rahmaita | 80 | 50 |
| 34. | Nurhasanah | 65 | 40 |
| 35. | Herlianti | 65 | 45 |
| 36. | Annisa Urrahmah | 60 | 40 |
| 37. | Ahmad Jamidi | 70 | 50 |
| 38. | Marasdiansyah | 60 | 45 |
| 39. | M. Ilhamsyah | 55 | 50 |
| 40. | Hamidah | 65 | 45 |
| 41. | Ardi | 70 | 40 |
| 42. | Fitrie | 65 | 50 |
| 43. | Azizah | 70 | 40 |
| 44. | Siti Liani | 65 | 45 |
| 45. | Deny Anugrah | 80 | 60 |
| 46. | Azizah Zahratun N isa | 65 | 55 |
| 47. | Ruhaniah | 60 | 45 |


| 48. | Fatimah Ariyanti | 50 | 35 |
| :---: | :--- | :---: | :---: |
| 49. | Arini Huda | 60 | 50 |
| 50. | Lailiati | 55 | 45 |
| 51. | Anisah | 50 | 30 |
| 52. | Ermayati | 60 | 60 |
| 53. | Jamiyah | 65 | 60 |
| 54. | Alpisah Norwahyuni | 70 | 50 |
| 55. | Mardiah | 60 | 55 |
| 56. | SariAprilliana Fatmawati | 75 | 60 |
| 57. | Normayani | 70 | 50 |
| 58. | Heri | 55 | 45 |
| 59. | Santi Febrianti | 70 | 50 |
| 60. | M. Nasri |  |  |

From the data presented in the table above, it can be drawn a scatter diagram which shows the correlation between pronunciation and phonemic transcription. Below is the diagram of pronunciation and phonemic transcription score:

## Picture 4.1

Scatter plot showing the Correlation between Phonemic Transcription and Pronunciation


It can be seen from the diagram that there is correlation between pronunciation and phonemic transcription. Meanwhile, the correlation formed is positive correlation. However, to make sure that there is correlation, it needs calculation to find out the correlation and to see whether the correlation is significant.

From the data obtained, it was calculated by using SPSS (Statistical Package for the Social Science) 17 to know whether there is correlation between pronunciation and phonemic transcription.

The result of the calculation is as follows:

Table 4.7
The Value of Correlation

| Correlations |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  | Transcription | pronunciation |
| transcription | Pearson Correlation | 1 | . 457 ** |
|  | Sig. (2-tailed) |  | . 000 |
|  | N | 60 | 60 |
| pronunciation | Pearson Correlation | .457** | 1 |
|  | Sig. (2-tailed) | . 000 |  |
|  | N | 60 | 60 |

**. Correlation is significant at the 0.01 level ( 2 -tailed).

According to the table, product moment correlation between phonemic transcription and pronunciation is 0,457 . Meanwhile the value of sig. presented in the table is 0.000 . Furthermore, there are two stars at the value of correlation in which it shows that the correlation is significance at the level 0.01 .

Besides calculating the correlation by using SPSS (Statistical Package for the Social Science) 17, it is also calculated manually. Here are the calculations:

Phonemic transcription $=X$

English pronunciation $=\mathrm{Y}$

Table 4.8
The calculation of X as Independent Variable (Phonemic Transcription) and Y as Dependent Variable (Pronunciation)

| No | X | Y | $\mathrm{X}^{2}$ | $\mathrm{Y}^{2}$ | $\mathrm{x}_{\mathrm{i}} \mathrm{y}_{\mathrm{i}}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 35 | 60 | 1225 | 3600 | 2100 |
| 2 | 40 | 60 | 1600 | 3600 | 2400 |
| 3 | 60 | 70 | 3600 | 4900 | 4200 |
| 4 | 35 | 55 | 1225 | 3025 | 1925 |
| 5 | 30 | 60 | 900 | 3600 | 1800 |
| 6 | 45 | 65 | 2025 | 4225 | 2925 |
| 7 | 40 | 60 | 1600 | 3600 | 2400 |
| 8 | 70 | 80 | 4900 | 6400 | 5600 |
| 9 | 40 | 85 | 1600 | 7225 | 3400 |
| 10 | 60 | 80 | 3600 | 6400 | 4800 |
| 11 | 70 | 60 | 4900 | 3600 | 4200 |
| 12 | 50 | 60 | 2500 | 3600 | 3000 |
| 13 | 70 | 60 | 4900 | 3600 | 4200 |
| 14 | 50 | 65 | 2500 | 4225 | 3250 |
| 15 | 35 | 55 | 1225 | 3025 | 1925 |
| 16 | 55 | 60 | 3025 | 3600 | 3300 |
| 17 | 40 | 65 | 1600 | 4225 | 2600 |


| 18 | 50 | 70 | 2500 | 4900 | 3500 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 | 35 | 65 | 1225 | 4225 | 2275 |
| 20 | 60 | 75 | 3600 | 5625 | 4500 |
| 21 | 55 | 65 | 3025 | 4225 | 3575 |
| 22 | 40 | 55 | 1600 | 3025 | 2200 |
| 23 | 55 | 60 | 3025 | 3600 | 3300 |
| 24 | 65 | 85 | 4225 | 7225 | 5525 |
| 25 | 55 | 70 | 3025 | 4900 | 3850 |
| 26 | 55 | 60 | 3025 | 3600 | 3300 |
| 27 | 50 | 60 | 2500 | 3600 | 3000 |
| 28 | 60 | 85 | 3600 | 7225 | 5100 |
| 29 | 40 | 65 | 1600 | 4225 | 2600 |
| 30 | 30 | 50 | 900 | 2500 | 1500 |
| 31 | 50 | 80 | 2500 | 6400 | 4000 |
| 32 | 60 | 60 | 3600 | 3600 | 3600 |
| 33 | 50 | 80 | 2500 | 6400 | 4000 |
| 34 | 40 | 65 | 1600 | 4225 | 2600 |
| 35 | 45 | 65 | 2025 | 4225 | 2925 |
| 36 | 40 | 60 | 1600 | 3600 | 2400 |
| 37 | 50 | 70 | 2500 | 4900 | 3500 |
| 38 | 45 | 60 | 2025 | 3600 | 2700 |
| 39 | 50 | 55 | 2500 | 3025 | 2750 |


| 40 | 45 | 65 | 2025 | 4225 | 2925 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 41 | 40 | 70 | 1600 | 4900 | 2800 |
| 42 | 50 | 65 | 2500 | 4225 | 3250 |
| 43 | 40 | 70 | 1600 | 4900 | 2800 |
| 44 | 45 | 65 | 2025 | 4225 | 2925 |
| 45 | 60 | 80 | 3600 | 6400 | 4800 |
| 46 | 55 | 65 | 3025 | 4225 | 3575 |
| 47 | 45 | 60 | 2025 | 3600 | 2700 |
| 48 | 35 | 50 | 1225 | 2500 | 1750 |
| 49 | 50 | 60 | 2500 | 3600 | 3000 |
| 50 | 45 | 55 | 2025 | 3025 | 2475 |
| 51 | 30 | 50 | 900 | 2500 | 1500 |
| 52 | 60 | 60 | 3600 | 3600 | 3600 |
| 53 | 60 | 65 | 3600 | 4225 | 3900 |
| 54 | 50 | 70 | 2500 | 4900 | 3500 |
| 55 | 55 | 60 | 3025 | 3600 | 3300 |
| 56 | 60 | 75 | 3600 | 5625 | 4500 |
| 57 | 60 | 70 | 3600 | 4900 | 4200 |
| 58 | 50 | 55 | 2500 | 3025 | 2750 |
| 59 | 45 | 50 | 2025 | 2500 | 2250 |
| 60 | 50 | 70 | 2500 | 4900 | 3500 |
| $\Sigma$ | 2935 | 3890 | 149625 | 256900 | 192725 |

To find out the coefficient correlation, it is used the formula:

$$
r_{x y}=\frac{\mathrm{N}\left(\sum \mathrm{XY}\right)-\left(\sum \mathrm{X}\right)\left(\sum \mathrm{Y}\right)}{\sqrt{\left\{\mathrm{N}\left(\sum \mathrm{X}^{2}\right)-\left(\sum \mathrm{X}\right)^{2}\right\}\left(\mathrm{N}\left(\sum \mathrm{Y}^{2}\right)-\left(\sum \mathrm{Y}\right)^{2}\right\}}}
$$

## Where:

$\mathrm{r}_{\mathrm{xy}} \quad$ : Coefficient correlation between correlated variables X and Y
$\mathrm{N} \quad$ : The total number of the students
$\sum x y \quad$ : The amount of multiplication between variables X and Y
X : The score of students' phonemic transcription test
Y : The score of students' pronunciation test
$r_{x y}=\frac{\mathrm{N}\left(\sum \mathrm{XY}\right)-\left(\sum \mathrm{X}\right)\left(\sum \mathrm{Y}\right)}{\sqrt{\left\{\mathrm{N}\left(\sum \mathrm{X}^{2}\right)-\left(\sum \mathrm{X}\right)^{2}\right\}\left(\mathrm{N}\left(\sum \mathrm{Y}^{2}\right)-\left(\sum \mathrm{Y}\right)^{2}\right\}}}$
$r_{x y}=\frac{60 \times 192725-(2935)(3890)}{\sqrt{(60 \times 2149625-8614225)(60 \times 2256900-15132100)}}$
$r_{x y}=\frac{(146350)}{\sqrt{\{120363275\}\{120281900\}}}$
$r_{x y}=\frac{(146350)}{\sqrt{144775234}}$
$r_{x y}=0.457328$

After the value of the correlation was found out, then it was calculated the significance of correlation coefficient test. The steps are:

## 1. Developing hypothesis

By using correlational formula, the writer finds that the degree of correlation between the phonemic transcription mastery and students' pronunciation is 0,457 and by using $S P S S$, the writer finds that the degree of correlation between the phonemic transcription mastery and students' pronunciation 0,457 and the significance is 0,000 .

Table 4.9
Standard Categories of "r" Product Moment Value

| The Value of " r " Pearson <br> Product Moment $\left(\mathrm{r}_{\mathrm{xy}}\right)$ | Interpretation |
| :---: | :--- |
| $0,80-1,00$ | There is a very strong correlation between <br> variable X and variable Y |
| $0,60-0,80$ | There is a strong correlation between <br> variable X and variable Y |
| $0,40-0,60$ | There is a fair or moderate correlation <br> between variable X and variable Y |
| variable X and variable Y |  |

## B. Discussion

The students of $6^{\text {th }}$ semester of English Education Department (PBI), Antasari State Institute for Islamic Studies Banjarmasin are used as the population in this study. Because they have got phonology class, in which they have been introduced to pronunciation and also phonemic transcription. Meanwhile, in syllabus of phonology, it is mentioned that pronunciation and phonemic transcription based on IPA (International Phonetic Alphabet) are included in the materials that the students of $6^{\text {th }}$ semester have to achieve in phonology class. Moreover, this research was conducted at the end of semester so that they have got the entire teaching of phonology.

Substantively, there were 105 students of $6^{\text {th }}$ semester joining the phonology class. However, at the time when the research was being conducted, there were some students who could not join the test of pronunciation and phonemic transcription. Therefore, there are 60 students used as the sample. These 60 students are divided into 3 classes; A, B, and C class. Each class is in different time when the test held, but they were treated equally. The seats they use to sit were arranged so that it could minimize cheating. They had 30 minutes to do the test. Based on the research finding obtained from the test, then it is discussed the result of the finding. It covers the ability of pronunciation and phonemic transcription, and the correlation between those two variables.

## 1. The Ability of Pronunciation

Based on the result of research finding on the ability of pronunciation, it can be seen that the score range $80-100$ is "very good" qualification in pronunciation, in which only 8 student or $13,3 \%$ of the students belong to this qualification. Most of the students have "good" qualification which is between the score range $60-<80$, in which there are $70 \%$ of the students or 42 students are included into this qualification. There are 10 students whose qualification between the score range $40-<60$. It means that $16,7 \%$ of the students have "average" qualification. Meanwhile, there are no student who has "bad" or "very bad" qualification, in which the score range is between $20-<40$ for "bad", and between $0<20$ for "very bad" qualification.

The students are tested by a combination of Augustin Simobobda's theory about alternative pronunciation test and the ideal oral test. This combination will result higher objectivity than just using one kind of test. In conclusion, the test result indicates that most of the students have a good understanding in mastering pronunciation in segmental features. In which the range of a verage is $60-<80$.

## 2. The Ability of Phonemic Transcription

The table shows that no student has "very good" qualification, in which the score range is $80-100.23,3 \%$ of the students are between the score range

60-<80. It means that 14 students are included into "good" qualification. 38 students or $63,3 \%$ of the students are between the score range $40-<60$, in which it is included "average" qualification. "bad" qualification, which is between the score range $20-<40$, is $13,3 \%$ of the students or only 8 students. And there are no student included in 'bad" qualification whose score range is between $0-<20$.

The test result indicates that most students only have "average" ability in transcribing into the phonemic symbol in which the range of average is $60-$ <80, not the good one. Peter Roach (2001, p. 5) said that transcriptions with its symbols have an important role in pronunciation. It is helpful to use it than ordinary spelling in teaching pronunciation. And this is probably caused by the separation of phonemic and pronunciation class. The separation makes the students have a little problem in understanding phonemic transcription and its symbol while studying pronunciation because the phonemic transcription (phonology class) is taught in $5^{\text {th }}$ semester meanwhile pronunciation class is taught in $3^{\text {rd }}$ semester. Ideally the phonemic transcription and its symbol should be taught in same semester with pronunciation so the students can correlate their knowledge of phonemic transcription and pronunciation easily.
3. The Correlation between the Ability of Phonemic Transcription and the

## English Pronunciation

After calculating the normality test, in which it shows that the data distribution is normal, it is calculated the correlation between the ability of phonemic transcription and English pronunciation.

From the data calculated, it was found that the value of product moment correlation between phonemic transcription and pronunciation is 0.457 . It means that the change of phonemic transcription mastery is positively followed by the ability of pronunciation. Furthermore, after testing the significance, the correlation between those two variables is significance since the value of sig. is 0.000 . it is shown by two stars $\left({ }^{* *)}\right.$ at the value of correlation. It also can be seen in the scatter plot below.

Picture 4.2

Scatter plot showing the Correlation between Phonemic Transcription and Pronunciation with the Regression Line


Product moment correlation between English pronunciation and phonemic transcription as it was obtained is 0.457 positive. The graph above also shows that there is positive correlation between pronunciation and phonemic transcription, in which the correlation is significance. It can be seen at the regression line which has skewed slope. It proves that there is significance correlation between English pronunciation and phonemic transcription.

More detail about table of product moment can be seen in appendix. Then it is found that the " $r$ " value for $\mathrm{N}=60$ is 0.254 for $5 \%$ significance degree and 0.330 for $1 \%$ significance degree. It is clear that $r_{x y}>r_{t .}$
$r_{x y}=0.457$
$r_{t}=0.254 \& 0.330$
$r_{x y}>r_{t}$

It means, that the hypothesis null $\left(\mathrm{H}_{\mathrm{o}}\right)$ is rejected and hypothesis alternative $\left(\mathrm{H}_{\mathrm{a}}\right)$ is accepted. It means there is a significant correlation between students' pronunciation and phonemic transcription.

Based on the result above, similar with the theory presented by Pekka Lintunen that indicates in his article Phonemic Transcription and Its Effect on Learning that pronunciation and phonemic transcription mastery correlates. It shows that it is effective in teaching method for foreign language learners of English by using phonemic transcription. The students who are able to transcribe well are able to develop their pronunciation. Therefore, using phonemic transcription to improve students' pronunciation is very useful.

