A Comparative Study of The Students’ Competence In Finding Figurative And Lexical Meaning To Improve Speaking Ability

Titin Kustini
English Language Education Department, Universitas Majalengka

Corresponding Email: titinkustini@unma.ac.id

Abstract: Students often have difficulty understanding figurative meanings compared to lexical meanings. Figurative meaning refers to the immediate meaning conveyed when a language is spoken in isolation, while the secondary meaning is dependent on the context; this is known as figurative meaning. On the other hand, lexical meaning refers to the literal meaning of language elements as symbols of things. The research aims to assess students’ proficiency in identifying figurative and lexical meanings and to compare this between the experiment and control classes. The study involved 46 students from the eleventh year at SMAN 1 Maja. It was a quantitative research study, indicating that the data collected were presented in numerical form and then interpreted using statistical analysis. The research tools included a questionnaire, observation, pre-test, and post-test. The results of the research showed that students’ competence in identifying figurative and lexical meanings was low during the pre-test (5.23) and reached a sufficient level during the post-test (6.07). The post-test scores for figurative and lexical meanings were 6.57 and 6.92, respectively. The difference between pre-test and post-test scores was analyzed using t-tests, which yielded significant results for both the control class (t=4.84) and the experiment class (t=3.94) for figurative meaning, and for lexical meaning in the control class (t=2.712) and the experiment class (t=3.98). These results demonstrate that students’ competence in identifying figurative and lexical meanings can improve their English proficiency, particularly in enhancing their speaking ability.

Keyword: figurative, lexical, meaning.

INTRODUCTION

Language, being seen from its function, is as a tool of communication. English as international language is very important to be mastered by all people in the world as it will assist them comprehend west people’s idea. Learning English not use for any nation purpose but used for international purpose. It means that the purpose of the teaching should refer to the learner’s ability to communication with other people come in from overseas. Research on second / foreign language learning has shown that many misconceptions exist about how children learn the language (Musthafa, 2008:84). Learning any language, there must be four skills: listening, reading, speaking and writing. To develop those skills, the students, the students should learnt element of languages such as grammar, vocabulary, syntax, semantics, and the like.

Every country has its own language style with different characteristics and unique features. Indonesia has also many regional languages that have differences in grammatical meaning, figurative meaning, pragmatic meaning, etc. When someone would like to comprehend the meaning of other languages well, he or she must learn the aspects in those languages themselves including the semantics meanings.

In this research, the writer really goes in for semantics. The students often find out difficulties when studying it. Furthermore, the emantics meaning has some unique meanings. That is often used in daily conversation. Semantics is the study of the linguistics meaning of morphemes, words, phrases, and sentences (Victoria Frompkin et al, 1999: 151). Another definition states, semantics is study of a differentiation of language in connection with mental process or symbolism on speaking activity (Ency Britannica, 1965).

Semantics is derived from Greek “Semanein” means “to mean”. It develops to be a study of meaning and the originality of word. Verhaar (2004) says, “Semantics is the study of sense or meaning.”
Talking about semantics, it has many parts. Two of them are the figurative meaning and lexical meaning. Idiom, simile, and metaphor, are parts of figurative meaning, while lexical meaning is the meaning that refers to a dictionary. The writer would like to compare them. Figurative meaning consist of primary meaning and secondary meaning (Larson, 1984:116). Primary meaning is the meaning that appears in the speaker’s mind, if it is spoken alone. The secondary meaning is the meaning that depends on the contexts. The meaning of figurative has the other meanings besides general meaning or textual meaning. Please consider the differences in meaning of the sentences below:

1. She has a good head. It means she has a good brain.
2. When someone looks angry and lost of control, her/his friends would says “keep your hair on”. It means “calm down! Don’t get angry!”.

The two examples of sentences above not only contain the primary meaning but also secondary meaning.

The lexical meaning is the meaning of language elements as symbol of thing and event. The lexical word is called the primary meaning that is still pure from the dictionary because it can be found on dictionary. For example:

1. The word “government” according to Oxford Learners Pocket Dictionary (1995:181) means “group of people who govern a country or state.”
2. The word “wax” in the dictionary of Kamus Lengkap Inggris-Indonesia (2006:276) has some lexical meaning:

The two examples of the sentences above only contain the primary meaning.

In the development of study of language, semantics has developed in 1970s. In linguistics, it has just been developing in Indonesia since 1980s. However, in the level of Senior High School semantics is not learnt specifically, only in the part of reading comprehension discussing about meaning. It is different from university level, semantics is learnt specifically such as grammar, speaking, reading, listening and writing.

However, the research about semantics in senior high school is still less, so the study conducted to answer the questions of research:

1. How the students’ competence in finding figurative meaning?
2. How the students’ competence in finding lexical meaning?
3. How is the comparison of the students’ competence in finding figurative meaning and lexical meaning?

In this paper, the writer using directional hypothesis: the students’ competence in finding figurative meaning and lexical meaning will be different after they given treatment and it can improve their speaking ability.

**METHOD**

The field of research

The field of research on this paper is semantics discussing about the students’ competence in finding figurative meaning and lexical meaning to improve speaking ability at the eleventh year students of SMAN 1 Maja. The population is all of the eleventh grade of SMAN 1 Maja and the sample are two classes XI IPS 2 and XI IPA 2 consist of 46 students.

Design of research

The method of research used by the writer in this paper is quantitative approach. Creswell defines it as "a research approach that emphasizes the collection, analysis, and interpretation of data in numerical form (Creswell, 2012, 2013; John W.)."
The kind of research is descriptive research. It is also known as statistical research; describe data and characteristics about the population or phenomenon being studied. Descriptive research answers the questions who, when, what, where, and how. (http: En.Wikipedia.Org/wiki/descriptiveresearch).

Procedures
To obtain the data of the research, the writer takes the following technique:

1. Questionnaire
   The writer gives students 10 questions to know how their interest and motivation in studying English, how their achievement and the factors that influenced to increase their motivation in learning English.

2. Observation
   The students observed along they given pre-test, when they got the treatment until they were given post-test. It used to measure students’ speaking activity.

3. Test
   The writer gives the students 40 questions lists to find the data about a comparative study of the students’ competence in finding figurative meaning and lexical meaning. Firstly, the writer gives students 20 questions of pre-test and secondly gives the students 20 questions of post-test with the purpose of comparing the students’ competence in finding figurative and lexical meaning.

In analyzing the data, the writer uses the steps G.E.R Brurroughs on Arikunto (1993:239):

a. The tabulation of data
   The data that have collected by administering and scoring research tools scripts are know as “raw data”. The raw data are meaningless unless certain statistical treatment is given to them. Analysis of data means to make the raw data meaningful or to draw some results from the data after the proper treatment. It also meant studying the tabulated material in order to determine inherent facts or meaning.

b. The summarizing of data
   Find out the average score in each class using the formula of average score (Singh, 2006: 286):
   \[ M = \frac{\sum X}{N} \]
   \[ M = \text{Mean} \]
   \[ \sum X = \text{the number of data} \]
   \[ N = \text{the number of respondent} \]
   Then, compare the result of step one into table of interpretation Suharsimi Arikunto (2003:245) in the scale of very good, good, sufficient, low, very low.
   Next, the writer calculated standard deviation sing the formula (Kothari, 2004:135) below:
   \[ \sigma = \sqrt{\frac{\sum (X_1 - X_2)^2}{n}} \]
   \[ \sigma = \text{standard deviation} \]
c. Analyze data for testing hypothesis
   The writer examined validity of data using the formula of Pearson product moment correlation (Arikunto, 1993: 160):
   \[ r_{xy} = \frac{N \sum XY - (\sum X)(\sum Y)}{\sqrt{(N \sum X^2 - (\sum X)^2)(\sum Y)^2}} \]

   The reliability of data calculated using ANATES 4.0 version (Wibisono, Karno, To) and Spearmen-Brown formula (Arikunto, 1993:174) below:
   \[ r = \frac{2 \times r_{xy}}{1 + r_{xy}} \]

d. Analyze data to make conclusion
   To examined the significance of the mean of sample each class (n = 30), the writer using formula (Kothari, 2004: 160) below:
   \[ t = \frac{D - 0}{\sigma_{\text{diff}} / \sqrt{n}} \]
   Where D = difference
   \[ \sigma_{\text{diff}} = \text{standard error of difference worked out as below:} \]
   \[ \sigma_{\text{diff}} = \sqrt{\frac{\sum D_1^2 - (D)^2}{n - 1}} \]
   where mean of differences or D = \( \sum D_1 \)
   and degree of freedom = (n-1)

   The writer also compute standard error difference between two samples means worked out as follow:
   \[ \sigma_{x_1-x_2} = \sqrt{\frac{\sum (X_{1i} - X_1)^2 + \sum (X_{2i} - X_2)^2}{n_1 + n_2 - 2}} \times \sqrt{\frac{1}{n_1} + \frac{1}{n_2}} \]
   and the d.f = n_1 + n_2 - 2

   Then, the writer examined the significant of two samples of independent from the same population that n ≥ 30 using the formula (Kothari, 2004: 198):
   \[ z = \frac{X_1 - X_2}{\sigma_{x_1-x_2}} \]
In case \( \sigma_0 \) is not known, the writer use \( \sigma_{s2} \) in its place calculating

\[
\sigma_{s2} = \sqrt{\frac{n_1(\sigma_{s1}^2 + D_1^2) + n_2(\sigma_{s2}^2 + D_2^2)}{n_1 + n_2}}
\]

where

\[
D_1 = (X_1 - X_{12})
\]

\[
D_2 = (X_2 - X_{12})
\]

\[
X_{12} = \frac{n_1 X_1 + n_2 X_2}{n_1 + n_2}
\]

The last steps, after all data calculated, the result was described specifically.

**RESULTS AND DISCUSSIONS**

The sample took two classes, they are XI IPA 1 as an experiment class and XI IPS 1 as a control class. The participants were 46 students consists of 16 male and 30 females.

<table>
<thead>
<tr>
<th>Table 1. The participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sex</td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td>Male</td>
</tr>
<tr>
<td>Female</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

a. The result of questionnaire

- 28.26% respondents said that they like to learn English, 0.17% dislike, 41.30% sometime like to learn English.
- 63.04% respondent interest to learn English because they want speak English fluently and 36.96 said that they studied hard to master English. No one said they learn English just want to get good mark in English subject.
- 82.61% agreed and they need to speak English fluently.
- Just 4.32% students satisfied about their achievement in English, its remains said not satisfied and want to increase their achievement.
- 60.87% students said their achievement in English sufficient, 26.09% good, 4.35% excellent and 8.69% less.
- Almost all of students, 97.83% agreed that mastering English, especially in speaking, is very important.
- 21.74% students felt they have big problem in learning vocabulary, 17.39% in grammar, 34.78% in listening and 6.52% in writing.
All of students said they have high motivation in learning English and courage to speak in English, especially after having knowledge about figurative and lexical meaning. They felt it helps them to master English.

b. The results of observation
   All samples were observed during the research period. Observation results are recorded in an observation sheet. Observations focus on measuring students' courage and frequency of speaking in English. observation results from before students were given material about figurative and lexical meaning, until after completing the post-test. Observation results show that students' courage to speak English has increased. they stated they were more confident by knowing the meaning of figurative and lexical meaning.

c. The result of pre-test and post-test
   a) The students’ competence in finding figurative meaning
      1) The tabulation of data
         The writer used the table to analyze the raw data. The score of pre-test is \(X_1\), the score of post-test is \(Y_1\), and then searching the value of squared \(X_1\) \((X_1)^2\), squared of \(Y_1\) \((Y_1)^2\), the value of \(X_1\) \(Y_1\) \((X_1Y_1)\). The differences \((D_1)\) got from score of pre-test \((X_1)\) less by score of post-test \((Y_1)\), the difference squared \((D_1)^2\), the value of \(X\) less by it’s mean \((X_1\text{ mean})\), and the last column is squared of \((X_1\text{ mean})\).
         The sample divided into two tables, class XI IPA 1 and XI IPS 1.
         See the tables below:

         ![Table 1.1: The Score of Pre-Test and Post-Test of Figurative Meaning in XI IPS 2](image)

         Figure 1. The score of pre-test and post-test of figurative meaning in XI IPS 2

      2) The summarizing data
         The average score of pre-test in finding figurative meaning in class XI IPS 2 is 3.91 and score of post-test is 5.37. The average score of pre-test in class XI IPA 2 is 6.54 and score of post-test is 7.76. The average of score of pre-test all samples is 5.23 and score of post-test is 6.57.
         Then, standard deviation in XI IPS 2 is 1.213 and standard deviation class XI IPA 2 is 1.031.
         After all of data calculated, then the writer categorized it on the table below.
Table 2. The result of students’ competence in finding figurative meaning

<table>
<thead>
<tr>
<th>No</th>
<th>Result</th>
<th>Class</th>
<th>Total sample</th>
<th>Sample category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>XI IPS 2 (X1)</td>
<td>XI IPA 2 (X2)</td>
<td>(X12)</td>
</tr>
<tr>
<td>1</td>
<td>The average score of pre-test</td>
<td>3.91</td>
<td>6.54</td>
<td>5.23</td>
</tr>
<tr>
<td>2</td>
<td>The highest score of pre-test</td>
<td>6</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>The lowest score of pre-test</td>
<td>1.5</td>
<td>4.5</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>The average score of post-test</td>
<td>5.37</td>
<td>8.76</td>
<td>6.57</td>
</tr>
<tr>
<td>5</td>
<td>The highest score of post-test</td>
<td>7</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>6</td>
<td>The lowest score of post-test</td>
<td>3.5</td>
<td>4.5</td>
<td>4</td>
</tr>
</tbody>
</table>

3) Analyze data for testing hypothesis.
   The validity of data tested using formula of Pearson product moment correlation and the result for figurative meaning is 0.635. $r_{table} = 0.288$. so the data is valid/significant because $r_{xy} > r_{table}$.
   And the reliability is 0.776, so the data is reliable because $r_{xy} > r_{table}$.

4) Analyze data to make conclusion

**The significance of mean of sample in XI IPS 2**
   The writer takes the null hypothesis that mean of difference is zero.
   $H_0 : \mu_1 = \mu_2$ which is equivalent to test $H_0 : D = 0$.
   $H_a : \mu_1 < \mu_2$ as the writer wants to conclude that differences between pre-test and post-test is significance.
   Means of difference or $D = 1.457$.
   Degrees of freedom = $(n-1)= 22$.
   $\sigma_{diff} = 4.84$.
   As $H_a$ is one sided, the writer shall apply a one-tailed test for determining the rejection area at 5% level using the table of distribution for 22 degrees of freedom:
   $R : t \leq 1.717$. The observed value of $t$ is 4.84 which is in the rejection area and thus, the writer accepts $H_a$ and conclude that the difference in score pre-test and post-test is significance i.e. it is not only due to sampling fluctuation.

**The significance of mean of sample in XI IPA 2**
   The writer takes the null hypothesis that mean of difference is zero.
   $H_0 : \mu_1 = \mu_2$ which is equivalent to test $H_0 : D = 0$.
   $H_a : \mu_1 < \mu_2$ as the writer wants to conclude that differences between pre-test and post-test is significance.
   Means of difference or $D = 1.217$.
   Degrees of freedom = $(n-1)= 22$.
   $\sigma_{diff} = 3.94$.
   As $H_a$ is one sided, the writer shall apply a one-tailed test for determining the rejection area at 5% level using the table of distribution for 22 degrees of freedom:
R : t ≤ 1.717. The observed value of t is 3.94 which is in the rejection area and thus, the writer accepts Hа and conclude that the difference in score pre-test and post-test is significance i.e. it is not only due to sampling fluctuation.

b) The students’ competence in finding lexical meaning

1) Tabulation of data

The result of pre-test and post-test of students’ competence in finding lexical meaning in XI IPA 2 is described in the table below:

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Pre-Test (X1)</th>
<th>Post-Test (Y1)</th>
<th>X²</th>
<th>Y²</th>
<th>XY</th>
<th>Differences (Δ) = (X-Y)</th>
<th>Differences squared (Δ²)</th>
<th>XI-X</th>
<th>(XI-X)²</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ade Ridwan</td>
<td>9.5</td>
<td>9</td>
<td>0.25</td>
<td>1</td>
<td>0.5</td>
<td>-0.5</td>
<td>0.25</td>
<td>1.83</td>
<td>3.41</td>
</tr>
<tr>
<td>2</td>
<td>Agus Dwiyana</td>
<td>8</td>
<td>7</td>
<td>49</td>
<td>64</td>
<td>56</td>
<td>1</td>
<td>0.33</td>
<td>0.1089</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Alpy Murni M.</td>
<td>8.5</td>
<td>9</td>
<td>72.25</td>
<td>81</td>
<td>76.5</td>
<td>0.5</td>
<td>0.25</td>
<td>0.83</td>
<td>0.6889</td>
</tr>
<tr>
<td>4</td>
<td>Aliy Aini Zaini I</td>
<td>8.5</td>
<td>9</td>
<td>72.25</td>
<td>81</td>
<td>76.5</td>
<td>0.5</td>
<td>0.25</td>
<td>0.83</td>
<td>0.6889</td>
</tr>
<tr>
<td>5</td>
<td>Ambri Darmawan S</td>
<td>8.5</td>
<td>8</td>
<td>72.25</td>
<td>64</td>
<td>68.6</td>
<td>0.5</td>
<td>0.25</td>
<td>0.83</td>
<td>0.6889</td>
</tr>
<tr>
<td>6</td>
<td>Aswin A.</td>
<td>7</td>
<td>5</td>
<td>49</td>
<td>25</td>
<td>55.5</td>
<td>3</td>
<td>0.67</td>
<td>0.4489</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Dicky Zulkifli</td>
<td>7.5</td>
<td>3.5</td>
<td>65.25</td>
<td>72.25</td>
<td>63.25</td>
<td>1</td>
<td>0.17</td>
<td>0.0329</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Fani Sri Rayaan</td>
<td>7.5</td>
<td>9</td>
<td>56.25</td>
<td>81</td>
<td>67.5</td>
<td>1</td>
<td>2.25</td>
<td>-0.17</td>
<td>0.0576</td>
</tr>
<tr>
<td>9</td>
<td>Rahmi Arief F.</td>
<td>7</td>
<td>9</td>
<td>49</td>
<td>81</td>
<td>63</td>
<td>2</td>
<td>4</td>
<td>0.67</td>
<td>0.4489</td>
</tr>
<tr>
<td>10</td>
<td>Fandi Fattani</td>
<td>7</td>
<td>9</td>
<td>49</td>
<td>81</td>
<td>63</td>
<td>2</td>
<td>4</td>
<td>0.67</td>
<td>0.4489</td>
</tr>
<tr>
<td>11</td>
<td>Fendi Ramdan</td>
<td>7</td>
<td>6</td>
<td>49</td>
<td>36</td>
<td>42.5</td>
<td>3</td>
<td>0.67</td>
<td>0.4489</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Ik Hoardari</td>
<td>8.5</td>
<td>9</td>
<td>72.25</td>
<td>90.25</td>
<td>80.75</td>
<td>1</td>
<td>1</td>
<td>0.83</td>
<td>0.6889</td>
</tr>
<tr>
<td>13</td>
<td>Iwan Setiadi S</td>
<td>8</td>
<td>6</td>
<td>64</td>
<td>36</td>
<td>50</td>
<td>4</td>
<td>0.33</td>
<td>0.1089</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Latifah Satri A</td>
<td>8.5</td>
<td>10</td>
<td>72.25</td>
<td>100</td>
<td>85</td>
<td>1</td>
<td>2.25</td>
<td>0.83</td>
<td>0.6889</td>
</tr>
<tr>
<td>15</td>
<td>Jihana Sari</td>
<td>8</td>
<td>9</td>
<td>49</td>
<td>81</td>
<td>63</td>
<td>2</td>
<td>4</td>
<td>0.67</td>
<td>0.4489</td>
</tr>
<tr>
<td>16</td>
<td>Masta Agini M.</td>
<td>6.5</td>
<td>6</td>
<td>42.25</td>
<td>36</td>
<td>39</td>
<td>0.5</td>
<td>0.25</td>
<td>-1.17</td>
<td>1.3689</td>
</tr>
<tr>
<td>17</td>
<td>Niadid阮danio</td>
<td>8</td>
<td>8</td>
<td>64</td>
<td>64</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0.33</td>
<td>0.1089</td>
</tr>
<tr>
<td>18</td>
<td>Poppy Nabilah N.</td>
<td>6</td>
<td>9</td>
<td>36</td>
<td>81</td>
<td>54</td>
<td>3</td>
<td>9</td>
<td>-1.67</td>
<td>2.7889</td>
</tr>
<tr>
<td>19</td>
<td>Ryan Muchet</td>
<td>6.5</td>
<td>9</td>
<td>42.25</td>
<td>81</td>
<td>58.5</td>
<td>2.5</td>
<td>6.25</td>
<td>-1.17</td>
<td>1.3689</td>
</tr>
<tr>
<td>20</td>
<td>Sani Dwi Serani</td>
<td>8</td>
<td>9</td>
<td>64</td>
<td>81</td>
<td>72</td>
<td>1</td>
<td>1</td>
<td>0.33</td>
<td>0.1089</td>
</tr>
<tr>
<td>21</td>
<td>Vinika Nopinarsa</td>
<td>8</td>
<td>6</td>
<td>64</td>
<td>36</td>
<td>48</td>
<td>2</td>
<td>4</td>
<td>0.33</td>
<td>0.1089</td>
</tr>
<tr>
<td>22</td>
<td>Widi Dwi K.</td>
<td>8</td>
<td>9.5</td>
<td>64</td>
<td>90.25</td>
<td>76</td>
<td>5</td>
<td>2.25</td>
<td>0.33</td>
<td>0.1089</td>
</tr>
<tr>
<td>23</td>
<td>Widiya M.</td>
<td>7.5</td>
<td>7.5</td>
<td>56.25</td>
<td>56.25</td>
<td>54.25</td>
<td>0</td>
<td>0</td>
<td>-0.17</td>
<td>0.0309</td>
</tr>
</tbody>
</table>

Figure 4. The score of pre-test and post-test of lexical meaning in XI IPA 2

2) Summarizing the data

- Based on the formula of mean, the average score of pre-test students in finding lexical meaning in XI IPS 2, M=4.46.
- The average score of post-test students in finding lexical meaning in XI IPS 2, M=5.72.
- The average score of post-test students in finding lexical meaning in XI IPS 2, M=7.67.
- The average score of post-test students in finding lexical meaning in XI IPA 2, M=8.13.
- The average score of the pre-test for all of the samples in finding lexical meaning, M=6.07.
- The average score of post-test all of the sample in finding lexical meaning, M=6.92.

After all of data calculated, then the writer categorized it on the table below:

<table>
<thead>
<tr>
<th>No.</th>
<th>Result</th>
<th>XI IPS 2 (X1)</th>
<th>XI IPA 2 (X2)</th>
<th>Total sample (X12)</th>
<th>Sample category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The average score of pre-test</td>
<td>4.6</td>
<td>7.67</td>
<td>6.07</td>
<td>Low</td>
</tr>
<tr>
<td>2</td>
<td>The highest score of</td>
<td>7</td>
<td>9.5</td>
<td>8.25</td>
<td>Very good</td>
</tr>
</tbody>
</table>
The lowest score of pre-test: 3
The highest score of post-test: 6
The average score of post-test: 5.72
The lowest score of post-test: 3

3) Analyze data for testing hypothesis

The validity of item questions of lexical meaning is r\text{xy} = 0.562.

d.f = n-1 = 46-1 = 45, \alpha = 0.05

r table = 0.288

r \text{xy} > r \text{table}, so the data is valid / significance.

And the reliability is:

r = 0.719

r > r \text{table}, so the data is reliable.

4) Analyze data to make conclusion

The significance of mean of sample in XI IPS 2

The writer takes the null hypothesis that mean of difference is zero.

Ho : \mu_1=\mu_2 which is equivalent to test Ho: D = 0.

Ha : \mu_1 < \mu_2 as the writer wants to conclude that differences between pre-test and post-test is significance.

Means of difference or D = 1.261.

Degrees of freedom = (n-1)= 22.

\sigma_{\text{diff}} = 2.712.

As Ha is one sided, the writer shall apply a one-tailed test for determining the rejection area at 5% level using the table of distribution for 22 degrees of freedom:

R : t \leq 1.717.

The observed value of t is 2.712 which is in the rejection area and thus, the writer accepts Ha and conclude that the difference in score pre-test and post-test is significance i.e. it is not only due to sampling fluctuation.

The significance of mean of sample in XI IPA 2

The writer takes the null hypothesis that mean of difference is zero.

Ho : \mu_1=\mu_2 which is equivalent to test Ho: D = 0.
Ha : $\mu_1 < \mu_2$ as the writer wants to conclude that differences between pre-test and post-test is significance.

Means of difference or $D = 0.457$.

Degrees of freedom = ($n$-1) = 22.

$\sigma_{diff} = 1.469$.

t = 3.977

As Ha is one sided, the writer shall apply a one-tailed test for determining the rejection area at 5% level using the table of distribution for 22 degrees of freedom:

R : $t \leq 1.717$.

The observed value of t is 3.977 which is in the rejection area and thus, the writer accepts Ha and concludes that the difference in score pre-test and post-test is significance i.e. it is not only due to sampling fluctuation.

c) A comparative of students’ competence in finding figurative and lexical meaning

- From all of the sample, the standard deviation in finding figurative meaning is 0.359 ($\sigma_{x1-x2} = 0.309$).

- The significance of two sample of independent from the same population that $n \geq 30$ using formula Kothari (2004:198).

- Figurative meaning

$\sigma_{s12} = 1.748$

The z-test used because $n \geq 30$.

$z = -5.107$

as Ha is two-sided, the writer shall apply a two tailed test for determining the rejection area at 5% level of significance using normal curve area table:

r : $z > -1.96$

The observed value of z is -5.107 which falls in the rejection area and thus the writer rejects Ho and concludes that the difference between mean of two samples is statistically significant and not due to sampling fluctuations.

- Lexical meaning

$\sigma_{s12} = 2.015$

$z = -5.404$

As Ha is two-sided, the writer shall apply a two tailed test for determining the rejection area at 5% level of significance using normal curve area table:

r : $z > -1.96$

The observed value of z is -5.404 which falls in the rejection area and thus the writer rejects Ho and concludes that the difference between mean of two samples is statistically significant and not due to sampling fluctuations.
CONCLUSION

Based on a comparative study of students' ability to find figurative and lexical meaning, it can be concluded that the standard deviation for figurative meaning is 0.34 and for lexical meaning is 0.36, indicating that students have better competence in finding lexical meaning than figurative meaning.

The results from the pre-test and post-test show that students in class XI IPA 2 have better competence than those in class XI IPS 2. The test's significance indicates differences in students' competence between the pre-test and post-test, which is statistically significant. This is expected to motivate students to improve their English speaking ability.

Students' confidence in speaking English improves after given explaining figurative and lexical meanings, which is a good initial step for enhancing their speaking ability. Teachers should explain to students the semantic meaning of vocabulary so that students understand and can apply it in English sentences. It's also helpful to compare semantic meanings in Indonesian and English. Additionally, teachers should take advantage of theoretical and practical applications in teaching English by incorporating semantic meaning into English materials.

References

Saccd, I. John. 1998. Semantics. Blackwell Publisher Ltd. USA.