

### CHAPTER III

#### METHOD AND PROCEDURES

This chapter discusses (a) method of the study; (b) variable of the study; (c) operational definition; (d) population and sample; (e) technique for collecting data; and (f) technique for analyzing data.

##### **A. Method of the Study**

The design selected for this study, the writer has chosen quasi-experimental designs, Fraenkel, et. all (2012: 275) mentioned that there are two quasi experiment designs. They are (a) matching only posttest-only control group design, and (b) matching only pretest-posttest control group design. In this study, the writer has followed **Matching Only Pretest-Posttest Control Group Design**. Creswell (2012: 298) stated that *Matching* is the process of identifying one or more personal characteristics that influence the outcome and assigning individuals with that characteristic equally to the experimental and control group. Those characteristics could be gender, pretest scores, or individual abilities. The researcher matches the subject in the experimental and control groups on certain variables where both groups receive different treatment (Holandyah, 2013: 162). According to Fraenkel, et. all (1990: 243). The research design is as follows:

$$\begin{array}{|c|} \hline O_1 \quad M \quad x_2 O_3 \\ \hline O_4 \quad M \quad x_5 O_6 \\ \hline \end{array}$$

Where:

- O<sub>1</sub> : Pre-test of experimental
- X<sub>2</sub> : Treatment for experimental group by using Story Face
- O<sub>3</sub> : Post-test of experimental
- O<sub>4</sub> : Pre-test of control group
- X<sub>5</sub> : Treatment for control group by using traditional (lecture) method
- O<sub>6</sub> : Post-test of control group
- M : Matched the subjects of pre-test

In this study, there are two group, they are experimental group and control group. The experimental group was taught by using Story Face strategy. Meanwhile, the control group was taught by using the strategy that is usually used by teacher.

## **B. Variables of the Study**

Arikunto (2010: 161) says that “Variable is the object of the research or something which is being focused on the research”. In this study there are two kinds of variables, they are independent variable and dependent variable.

1. In this study there are two independent variables, they are : teaching reading comprehension using Story Face to the eighth grade student of SMPN 26 Palembang for experiment group and teaching reading comprehension using conventional strategy or teacher’s method to the eighth grade students of SMPN 26 Palembang.
2. While the dependent variable in this study is the reading comprehension achievement of the eighth grade students of SMPN 26 Palembang.

### **C. Operational Definitions**

An *operational definition* takes a variable from the theoretical or abstract to the concrete by defining the variable in the specific terms of the actual procedures used by the researcher to measure or manipulate the variable Marczyk. et. al., (2005: 96). In addition, Operational definition is a statement of the writer in giving definition of some terms related to his/her research (Holandyah, 2013: 179)

In this study “Teaching reading by using Story Face to the eight grade student of SMPN 26 Palembang”.Therefore, to avoid misunderstanding, it is necessary to define some terms they are ; Teaching, reading, Story Face strategy.

#### 1. Teaching.

Teaching is the activity of educating or instructing or facilitating student to learn something.

#### 2. Reading

Reading is process to understand an information, by reading the reader can enlarge their knowledge. Furthermore Reading is a process of communication between the reader and the text.

#### 3. Story Face strategy.

Story face strategy is an strategy that make picture like face. In face there are many part that can be filled by students, for example setting, charackter, problem of the text.

## **D. Population and Sample**

### **1. Population**

According to Arikunto (2010: 173), population is all of investigated subject, whereas the term 'population' refers to the total of items about which information is desired. The attributes that are the object of study are referred to as characteristics and the units possessing them are called as elementary units (Kothari, 2004: 153). The population of this study will be all the eight grade students of SMPN 26 Palembang. The total number of the population is 280 students.

**Table 1**

#### **The population of the study**

| <b>NO</b>    | <b>CLASS</b> | <b>TOTAL OF STUDENTS</b> |
|--------------|--------------|--------------------------|
| 1            | VIII 1       | 40                       |
| 2            | VIII2        | 40                       |
| 3            | VIII3        | 40                       |
| 4            | VIII4        | 40                       |
| 5            | VIII5        | 40                       |
| 6            | VIII 6       | 40                       |
| 7            | VIII 7       | 40                       |
| 8            | VIII 8       | 40                       |
| <b>TOTAL</b> |              | <b>280</b>               |

*(Source: SMPN 26 Palembang in academic year 2013/2014)*

## **2.Sample**

Sample is part of the number and characteristics possessed by the population (Sugiyono, 2012: 81). Marczyk, et. al (2005: 18) stated that sample is *representative* of the population from which it was selected. In this study, the writer uses a convenience sampling technique. Fraenkel, et. al. (2012: 99) stated that a convenience sample is a group of individual who (conveniently) are available for study. Class VIII.4 and VIII.2 were selected as sample by the teacher. The total sample of the this study was 80 students from 280 populations. 40 students as experimental group and 40 students as control group.

Before being taught reading comprehension using a story face strategy given treatment, the students were given a test that made them being matched. After the students were given the test, the writer got the data of the students' score. There were 80 students before being matched. After matching the score, the numbers of the students were fifty students. Then they were divided into two groups, VIII 4 as group 1 and VIII 2 as group 2. So there were twenty five students in each class.

In this study, the writer used matched participants design to get real sample, so that after got the sample, the writer would like to find some pairs that have the same scores from pretest.

Based on the result of pretest to whole sample, finally the writer got 25 pairs or 50 students from 80 samples who have the same scores between two groups. The higher score was 82,5 that achieved by two students, one student from group one and one students from group two, while the lowest score was 65

that achieved by ten students, five students from group one and five students from group two. The result of matching pairs score was described in Table 2.

**Table 2**

**Table Score Matching experiment and Control**

| No | Students' Name            |                         | Students' Matched Score |
|----|---------------------------|-------------------------|-------------------------|
|    | Experimental class        | Control class           |                         |
| 1  | Ananda Novalinda          | Agung Wijaya            | 65                      |
| 2  | Dwi Fanny Septiani        | Della Melinda           | 65                      |
| 3  | Julian Saputra            | M.Galih Syaifullah      | 65                      |
| 4  | Marcellino Rama Fahrezi   | Nurhidayati             | 65                      |
| 5  | Rizki Oktavia             | Sari Dwi Damayanti      | 65                      |
| 6  | Imam Wahyu Santosa        | Della Melinda           | 67.5                    |
| 7  | M.Fadhel Attaufiq         | Feby Gracia Sianturi    | 67.5                    |
| 8  | Septa Rahayu Purwaningrum | M.Fajri Samego          | 67.5                    |
| 9  | Andi Asmara               | M.Arif Akbar Putra Alta | 67.5                    |
| 10 | Ayu Andira                | Desti Sianturi          | 70                      |
| 11 | Dea Anesa                 | Jefri Ramadhan          | 70                      |
| 12 | M.Agus Susanto            | Nia Apriani             | 70                      |
| 13 | Nanda Putri Liana         | Rosida Oktarina         | 70                      |
| 14 | Renaldi Angga Putra       | Sinta Fisca             | 70                      |
| 15 | Budiman Hartono           | Dicky Erlangga Pratama  | 72.5                    |
| 16 | Jihan Fahira              | Renda Amand Agustina    | 72.5                    |
| 17 | Ricky Noveriansyah        | Selly Nurhotima         | 72.5                    |
| 18 | Estiana Asri Fadhila      | Bagus Wirawan           | 75                      |
| 19 | Kres Wahyuni              | Harta Berlian           | 75                      |
| 20 | M.Ikbal                   | Muhammad Saputra        | 75                      |
| 21 | Qarin Gusmiarnii          | Wahya Abimanyu          | 75                      |
| 22 | Dian Putri Adiyanti       | Cici Dwiyanti           | 77.5                    |
| 23 | Riko                      | Dendi Taufiqurahman     | 77.5                    |
| 24 | M.Dimas Ridho Saputra     | Ricky Afrianto          | 80                      |
| 25 | Indah Sari                | Anggun Try Tami         | 82.5                    |

From the result of Paired Matching Variables in Table 2, group 1 consisting of 25 students was treated control group, while group 2 was treated as experimental group.

## **E. Techniques for Collecting the Data**

In collecting the data, the writer used reading comprehension test in the form of multiple choice. The purpose of the test is to know the result of teaching reading by using Story Face. Reading comprehension test in the pretest administered before treatment and post-test is administered after treatment. The test items in the post-test are the same as those of pre-test, because the purpose of giving them is to know the progress of student reading comprehension achievement before and after treatment. Before the research instrument being given to the students, the validity and reliability of test items are estimated first through try out to know that the degree to which a test shows consistent results when administered to the students.

### **1. Pretest**

Pretest is done before treatment are given. The pretest is administered to know students English reading comprehension before treatment. Both control and experiment group should answer forty of reading comprehension texts.

### **2. Posttest**

The posttest is administered to control group and experiment group after pretest and treatment. The posttest is administered to know students English reading comprehension achievement after treatment. The same as pretest, in posttest both control and experiment group should answer forty question of reading comprehension test.

## **F. In Research Instrument Analysis**

### **1. Validity**

According to Farhady (1982: 251) Validity refers to the results of the test not to the test itself, also validity is matter of degree. In this study, the writer has already tried out his research instruments to 40 students of SMPN 10 Palembang. There were 60 questions given to the students. The result of the test was analyzed using Pearson Correlation Formula. The result of significant score of Pearson Correlation was compared with  $r_{table}$  (0.312), it means that the item is valid. From Pearson Correlation Formula, it was also found that there were only forty test items from sixty were valid.

The result analysis of validity of each question item using Pearson Correlation in SPSS 16 was found that there were 16 questions considered invalid. They are questions item number 2, 4, 5, 11, 21, 22, 34, 35, 38, 39, 41, 54, 57, 58, 59, 60 since the score of significance are lower than 0.312. Then, 44 questions item were considered valid. They are questions item number 1, 3, 6, 7, 8, 9, 12, 14, 15, 16, 17, 18, 19, 20, 23, 24, 25, 26, 27, 28, 29, 30, 31, 31, 33, 36, 37, 40, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 55, 56 since the score of significance are higher than 0.312. Since there were 44 questions are considered valid, the writer just took 40 valid questions item. The result analysis of validity test in each questions item was described in Table.



**Table 3**  
**Result of Test Validity**

| No | Question Items | Sig. (1-tailed) of Pearson Correlation | r table | Result  |
|----|----------------|--|---------|---------|
| 1  | item1          | -,389                                  | ,312    | Valid   |
| 2  | item2          | -,086                                  | ,312    | Invalid |
| 3  | item3          | -,479                                  | ,312    | Valid   |
| 4  | item4          | -,115                                  | ,312    | Invalid |
| 5  | item5          | -,125                                  | ,312    | Invalid |
| 6  | item6          | ,552                                   | ,312    | Valid   |
| 7  | item7          | ,380                                   | ,312    | Valid   |
| 8  | item8          | ,357                                   | ,312    | Valid   |
| 9  | item9          | ,451                                   | ,312    | Valid   |
| 10 | item10         | ,383                                   | ,312    | Valid   |
| 11 | item11         | ,188                                   | ,312    | Invalid |
| 12 | item12         | ,383                                   | ,312    | Valid   |
| 13 | item13         | ,354                                   | ,312    | Valid   |
| 14 | item14         | ,448                                   | ,312    | Valid   |
| 15 | item15         | ,551                                   | ,312    | Valid   |
| 16 | item16         | ,332                                   | ,312    | Valid   |
| 17 | item17         | ,340                                   | ,312    | Valid   |
| 18 | item18         | ,489                                   | ,312    | Valid   |
| 19 | item19         | ,550                                   | ,312    | Valid   |
| 20 | item20         | ,598                                   | ,312    | Valid   |
| 21 | item21         | ,203                                   | ,312    | Invalid |
| 22 | item22         | ,205                                   | ,312    | Invalid |
| 23 | item23         | ,411                                   | ,312    | Valid   |
| 24 | item24         | ,355                                   | ,312    | Valid   |
| 25 | item25         | ,698                                   | ,312    | Valid   |
| 26 | item26         | ,341                                   | ,312    | Valid   |
| 27 | item27         | ,375                                   | ,312    | Valid   |
| 28 | item28         | ,364                                   | ,312    | Valid   |
| 29 | item29         | ,391                                   | ,312    | Valid   |
| 30 | item30         | ,340                                   | ,312    | Valid   |
| 31 | item31         | ,541                                   | ,312    | Valid   |
| 33 | item33         | ,364                                   | ,312    | Valid   |
| 34 | item34         | -,172                                  | ,312    | Invalid |

|    |        |       |      |         |
|----|--------|-------|------|---------|
| 35 | item35 | -,064 | ,312 | Invalid |
| 36 | item36 | -,454 | ,312 | Valid   |
| 37 | item37 | -,351 | ,312 | Valid   |
| 38 | item38 | -,058 | ,312 | Invalid |
| 39 | item39 | ,010  | ,312 | Invalid |
| 40 | item40 | ,336  | ,312 | Valid   |
| 41 | item41 | ,049  | ,312 | Invalid |
| 42 | item42 | ,421  | ,312 | Valid   |
| 43 | item43 | ,478  | ,312 | Valid   |
| 44 | item44 | ,401  | ,312 | Valid   |
| 45 | item45 | ,625  | ,312 | Valid   |
| 46 | item46 | ,502  | ,312 | Valid   |
| 47 | item47 | ,505  | ,312 | Valid   |
| 48 | item48 | ,345  | ,312 | Valid   |
| 49 | item49 | ,349  | ,312 | Valid   |
| 50 | item50 | ,453  | ,312 | Valid   |
| 51 | item51 | ,422  | ,312 | Valid   |
| 52 | item52 | ,544  | ,312 | Valid   |
| 53 | item53 | ,410  | ,312 | Valid   |
| 54 | item54 | ,145  | ,312 | Invalid |
| 55 | item55 | ,490  | ,312 | Valid   |
| 56 | item56 | ,367  | ,312 | Valid   |
| 57 | item57 | ,105  | ,312 | Invalid |
| 58 | item58 | ,117  | ,312 | Invalid |
| 59 | item59 | -,018 | ,312 | Invalid |
| 60 | item60 | ,199  | ,312 | Invalid |

Then, the writer also did content validity, according to Hughes (1989: 22 cited in Holandyah, 2013: 54) states a test is said to have content validity if its content constitutes a representative sample of the language skills, structures, etc. which it is meant to be concerned. A content validity is very important since it is an accurate measure of what it is supposed to measure. The validity of test materials will check through the content validity after that content validity concerns the extent to which a measure adequately represents all facets of a concept. To provide the content validity of the test, the writer should check to the curriculum

and syllabus. The result analysis in content validity is described in table of specification test in Table.

**Table 4**  
**Specification of test**

| Objective  | Text's title         | Indicator  | Number of items  | Total of Test | Types of Text   | Answer Key                                |
|--|----------------------|--|--|---------------|-----------------|---|
| To measure the students' comprehension in reading text focus on narrative text | The Ant and the Dove | <p>The students are able:</p> <ul style="list-style-type: none"> <li>- To identify the purposes of the text.</li> <li>- To identify topic/main idea.</li> <li>- To make inference from the text</li> <li>- To find specific information</li> <li>- To find moral value of the text</li> <li>- To guess word meaning from context</li> <li>- To find word referent</li> </ul> | <p>4</p> <p>3</p> <p>1,2</p> <p>5</p> <p>7</p> <p>6,</p> | 7             | Multiple Choice | <p>1.c 2.b 3.b 4.c</p> <p>5.a 6.b 7.a</p> |
| To measure the students' comprehension in reading text focus on narrative text | The Wind and the Sun | <p>The students are able :</p> <ul style="list-style-type: none"> <li>- To identify the purposes of the text.</li> <li>- To identify topic/main idea.</li> <li>- To make inference from the text</li> </ul>  |  | 6             | Multiple Choice | <p>8.c 9.b 10.a</p> <p>11.a 12.a 13.c</p> |

|  |                           |  |   |   |                 |                         |
|--|---------------------------|--|---|---|-----------------|-------------------------|
|  |                           | <ul style="list-style-type: none"> <li>- To find specific information</li> <li>- To find moral value of the text</li> <li>- To guess word meaning from context</li> <li>- To find word referent</li> </ul>   | <p>8,9,10</p> <p>11,</p> <p>13</p> <p>12.</p> |   |                 |                         |
| To measure the students' comprehension in reading text focus on narrative text | The Lion and the Mosquito | <p>The students are able:</p> <ul style="list-style-type: none"> <li>- To identify the purposes of the text.</li> <li>- To identify topic/main idea.</li> <li>- To make inference from the text</li> <li>- To find specific information</li> <li>- To find moral value of the text</li> <li>- To guess word meaning from context</li> <li>- To find word referent</li> </ul> | <p>14</p> <p>15</p> <p>16</p>                 | 3 | Multiple Choice | 14.a 15.c 16.d          |
| To measure the students' comprehension in reading text focus on narrative text | Red Ridding Hood          | <p>The students are able:</p> <ul style="list-style-type: none"> <li>- To identify the purposes of the text.</li> <li>- To identify topic/main idea.</li> <li>- To make</li> </ul>   | 20  | 4 | Multiple Choice | 17.b 18.d 19. C<br>20.b |

|  |                         |   |   |   |                 |                             |
|--|-------------------------|---|---|---|-----------------|-----------------------------|
|  |                         | <p>inference from the text</p> <p>To find specific information</p> <p>To find moral value of the text</p> <p>To guess word meaning from context</p> <p>To find word referent</p>  | 17,18,19  |   |                 |                             |
| To measure the students' comprehension in reading text focus on narrative text | Young couple            | <p>The students are able:</p> <p>- To identify the purposes of the text.</p> <p>To identify topic/main idea.</p> <p>To make inference from the text</p> <p>To find specific information</p> <p>To find moral value of the text</p> <p>To guess word meaning from context</p> <p>To find word referent</p> | <p>21</p> <p>25</p> <p>23</p> <p>24</p> <p>22</p> | 5 | Multiple Choice | 21.d 22.c 23.c<br>24.a 25.a |
| To measure the students' comprehension in reading text focus on narrative text | The Crow and the Oyster | <p>The students are able:</p> <p>- To identify the purposes of the text.</p> <p>To identify topic/main idea.</p> <p>To make inference from the text</p>   |   | 3 | Multiple Choice | 26.d 27.c 28.a              |

|  |                         |   |                                     |   |                 |   |
|--|-------------------------|---|-------------------------------------|---|-----------------|---|
|  |                         | <ul style="list-style-type: none"> <li>- To find specific information</li> <li>- To find moral value of the text</li> <li>- To guess word meaning from context</li> <li>- To find word referent</li> </ul>  | <p>26,</p> <p>27</p> <p>28</p>      |   |                 |   |
| To measure the students' comprehension in reading text focus on narrative text | The Donkey and the Wolf | <p>The students are able:</p> <ul style="list-style-type: none"> <li>-To identify the purposes of the text.</li> <li>- To identify topic/main idea.</li> <li>- To make inference from the text</li> <li>- To find specific information</li> <li>- To find moral value of the text</li> <li>- To guess word meaning from context</li> <li>- To find word referent</li> </ul> | <p>32,33</p> <p>31</p> <p>29,30</p> | 5 | Multiple Choice | <p>29.a 30.b 31.a</p> <p>32. d 33.c</p> |
| To measure the students' comprehension in reading text focus on narrative text | The Fox and the Crow    | <p>The students are able:</p> <ul style="list-style-type: none"> <li>- To identify the purposes of the text.</li> <li>- To identify topic/main idea.</li> <li>- To make inference from</li> </ul>   |                                     | 4 | Multiple Choice | <p>34.a 35.a 36.d</p> <p>37.b</p>       |

|   |                                    |  |                                   |          |                        |                       |
|---|------------------------------------|--|-----------------------------------|----------|------------------------|-----------------------|
|   |                                    | <p>the text</p> <ul style="list-style-type: none"> <li>- To find specific information</li> <li>- To find moral value of the text</li> <li>- To guess word meaning from context</li> <li>- To find word referent</li> </ul>   | <p>34,35,</p> <p>37</p> <p>36</p> |          |                        |                       |
| <p>To measure the students' comprehension in reading text focus on narrative text</p> | <p>The Grasshoper and the Ants</p> | <p>The students are able:</p> <ul style="list-style-type: none"> <li>- To identify the purposes of the text.</li> <li>- To identify topic/main idea.</li> <li>- To make inference from the text</li> <li>- To find specific information</li> <li>- To find moral value of the text</li> <li>- To guess word meaning from context</li> <li>- To find word referent</li> </ul> | <p>38,39,40</p>                   | <p>3</p> | <p>Multiple Choice</p> | <p>38.c 39.b 40.a</p> |

## 2. Reliability Test

According to Fraenkle and Wallen (2012: 154) Reliability refers to the consistency of scores or answers how consistent they are for each individual from

one administration of an instrument to another, and from one set of items to another. To know the reliability of the test used in this study, the writer calculated the students' score by using Pearson Product Moment Correlation found in SPSS 16 (Statistical Package for the Social Science) program. According to Fraenkel, Wallen, and Wallen (2012: 157), write that research purposes, a useful rule of thumb is that reliability should be at least 0.70 and preferably higher.

In this study, the test was tried out instrument of the test at one school. The test instrument considered of 40 question items in multiple choices to the eighth grade students from the one school twice with the same question items at different times. The score was described in table.

**Table 5**

**Reliability Test's Score at SMP Negeri 10 Palembang**

| <b>Student's name</b>       | <b>Test 1</b> | <b>Test 2</b> |
|-----------------------------|---------------|---------------|
| A.Meydian Fernaandza        | 91,00         | 90,00         |
| Addien Putra Arkanata       | 89,00         | 85,00         |
| Afiqa Alifia Zita           | 78,00         | 73,00         |
| Amanda Putri Aprilia        | 50,00         | 67,00         |
| Annisa Fathiya              | 78,00         | 89,00         |
| Ariq Siddiq Ramdhan         | 60,00         | 65,00         |
| Bagas Arbimo Pratama        | 89,00         | 90,00         |
| Devi Karlina                | 89,00         | 90,00         |
| Gabriel Audita Salsabila    | 85,00         | 87,00         |
| Ichlasul Amal               | 78,00         | 80,00         |
| Indah Maryamsafitri Harahap | 80,00         | 85,00         |
| Istiqomah                   | 75,00         | 80,00         |
| Izza Adliya                 | 90,00         | 80,00         |
| Jasmine Aussie Azzahra      | 80,00         | 85,00         |
| Jasmine Kezia Aldora        | 70,00         | 76,00         |
| Jasmine Rana Sahirah        | 88,00         | 90,00         |
| Khofifah Karlalita Arifin   | 70,00         | 78,00         |
| Lutfiah Wahyu AMANDA        | 77,00         | 80,00         |
| M. Fadhilah Ramadhan        | 75,00         | 80,00         |
| M. Iqbal Farezi             | 70,00         | 77,00         |



|                           |       |       |
|---------------------------|-------|-------|
| M. Kasi Ghusoory          | 70,00 | 75,00 |
| Mealdry Dwie Almira       | 79,00 | 80,00 |
| Meris Duwi                | 78,00 | 80,00 |
| Mona Qonitah              | 70,00 | 78,00 |
| Muhammad Alkautar         | 77,00 | 80,00 |
| Muthiah Zalfah            | 86,00 | 89,00 |
| Nabila Febriyanti         | 89,00 | 90,00 |
| Naurah Nadzifah           | 75,00 | 78,00 |
| Novita Sari               | 70,00 | 75,00 |
| Oktria Alviony            | 85,00 | 89,00 |
| Prisa Putri Zahara        | 90,00 | 95,00 |
| Reigita Yusiani           | 65,00 | 68,00 |
| Robby Anzilni M           | 91,00 | 90,00 |
| Salma Regina              | 85,00 | 70,00 |
| Salwa Kamila              | 70,00 | 75,00 |
| Sania Luqyana             | 70,00 | 60,00 |
| Sekar Kirana              | 70,00 | 70,00 |
| Wilda Afifa               | 80,00 | 75,00 |
| Yastita Elmanissa         | 85,00 | 75,00 |
| Yohannes Maestro Pasaribu | 80,00 | 85,00 |

Then, the score in test 1 and test 2 were analyzed used Pearson Correlation Formula SPSS program. From the calculation, it was found that the coefficient reliability of the reading test items was 0.771 which higher than 0.70. Therefore, it could be stated that this instrument was considered reliable for this study. The result analysis of reliability test was described in Table.

**Table 6**

**The Result of Reliability Analysis Using Pearson Correlation**

| No | Number of Test | N  | Pearson Correlation | Sig.  | Result   |
|----|----------------|----|---------------------|-------|----------|
| 1  | Test 1         | 40 | 0.771               | 0.000 | Reliable |
| 2  | Test 2         | 40 |                     |       |          |

## G. Research Treatment

### 1. Readability Test

Readability test is done to know which level of students who is appropriate and able to comprehend a reading text. Readability test was measured by using the online readability test which was assessed in <http://www.readabilityformulas.com>.

The writer used the text which was taken from english books for the eighth grade of junior high school students, written by Dardjis, et. al. (2008) and Sudarwati, et.al. Erlangga (2007). The texts focused on narrative text and level of the texts are variation started from very easy, easy and difficult. Then the result of readability test for research instruments is figured out in Table 7.

**Table 7**  
**Result of Readability Test for Research Instrument**

| No | Text Title                      | Text Type            | Text Statistics    |                    |                    | Flash Reading Ease Score | Text Category |
|----|---------------------------------|----------------------|--------------------|--------------------|--------------------|--------------------------|---------------|
|    |                                 |                      | Number of sentence | Words per Sentence | Character per Word |                          |               |
| 1  | Mantu's Little Elephant         | Hortatory Exposition | 22                 | 22                 | 4.9                | 42                       | Very Easy     |
| 2  | The Prince and his best friends | Narrative            | 28                 | 7                  | 3.9                | 92                       | Very Easy     |
| 3  | The flower from the moon        | Narrative            | 11                 | 13                 | 4.1                | 86                       | Very Easy     |
| 4  | The beauty and the beast        | Narrative            | 8                  | 23                 | 3.6                | 84                       | Very Easy     |
| 5  | Takatuliang the woodearver      | Narrative            | 18                 | 11                 | 3.7                | 92                       | Easy          |
| 6  | The stingy and the generous     | Narrative            | 39                 | 9                  | 4.1                | 81                       | Easy          |
| 7  | The owl and the nightgale       | Narrative            | 8                  | 23                 | 3.6                | 84                       | Easy          |

|    |                       |           |    |    |     |    |           |
|----|-----------------------|-----------|----|----|-----|----|-----------|
| 8  | Young giraffes        | Narrative | 13 | 9  | 4.2 | 82 | Easy      |
| 9  | Two goats             | Narrative | 10 | 12 | 3.8 | 84 | Difficult |
| 10 | Two frogs             | Narrative | 6  | 22 | 4.7 | 46 | Difficult |
| 11 | the cat and the mouse | Narrative | 11 | 13 | 4.1 | 86 | Difficult |
| 12 | The frog and the ox   | Narrative | 11 | 14 | 4.6 | 82 | Difficult |

## 2. Research Schedule

This study was conducted in twelve meetings including the pretest and posttest. Both experimental and control group were taught by the writer, they were both given the same main book and materials. The differences were the materials dealt with story face strategy given treatment in experimental group, In this study the experimental group was taught by using story face strategy and the control group was taught by using the strategy usually used by the teacher. The type texts were taken were narrative.

There was twelve texts come from narrative, were used as reading materials. They were "Mantu's Little Elephant, The Prince and his best friends, The Flower From The Moon, Beauty and the beast, Takatuliang, The Woodcarver, The Stingy and The Generous, The Owl and The Nightingale, Young Giraffes, Two Goats, Two Frogs, The Cat And The Mouse, The Frog and The Ox.

Reading materials for research treatments were displayed in following Table.

**Table. 8**

Schedule of Teaching Material For Research Treatment.

| No | Teaching Schedule   |   | Text's Title                    | Kinds of Text | Meeting         |
|----|---|---|---------------------------------|---------------|-----------------|
|    | Control   | Experimental  |                                 |               |                 |
| 1  | Tuesday, 11 <sup>th</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)   | Tuesday, 11 <sup>th</sup> of february 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)   | Mantu's Little Elephant         | Narrative     | 1 <sup>st</sup> |
| 2  | Thursday, 13 <sup>th</sup> of february 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)  | Thursday, 13 <sup>th</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)  | The Prince and his best friends | Narrative     | 2 <sup>nd</sup> |
| 3  | Wednesday, 15 <sup>th</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10) | Wednesday, 15 <sup>th</sup> of february 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10) | The Flower From The Moon        | Narrative     | 3 <sup>rd</sup> |
| 4  | Thursday, 18 <sup>th</sup> of february 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)  | Thursday, 18 <sup>th</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)  | Beauty and the beast            | Narrative     | 4 <sup>th</sup> |
| 5  | Tuesday, 20 <sup>st</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)   | Tuesday, 20 <sup>st</sup> of february 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)   | Takatuliang, The Woodcarver     | Narrative     | 5 <sup>th</sup> |
| 6. | Thursday, 22 <sup>rd</sup> of february 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)  | Thursday, 22 <sup>rd</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)  | The Stingy and The Generous     | Narrative     | 6 <sup>th</sup> |
| 7  | Tuesday, 25 <sup>th</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)   | Tuesday, 25 <sup>th</sup> of January 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)    | The Owl and The Nightingale     | Narrative     | 7 <sup>th</sup> |
| 8  | Thursday, 27 <sup>th</sup> of february 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)  | Thursday, 27 <sup>th</sup> of february 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)  | Young Giraffes                  | Narrative     | 8 <sup>th</sup> |

|    |  |  |                             |           |                  |
|----|--|--|-----------------------------|-----------|------------------|
| 9  | Tuesday, 1 <sup>th</sup> of march<br>2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10)   | Tuesday, 1 <sup>th</sup> of march<br>2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10)   | Two Goats                   | Narrative | 9 <sup>th</sup>  |
| 10 | Wednesday, 4 <sup>th</sup> of<br>march 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-10.10) | Wednesday, 4 <sup>th</sup> of<br>march 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-13.10) | Two Froqs                   | Narrative | 10 <sup>th</sup> |
| 11 | Wednesday, 4th of<br>march 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-<br>10.10)         | Wednesday, 4th of<br>march 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-<br>13.10)         | The Cat<br>And The<br>Mouse | Narrative | 11th             |
| 12 | Wednesday, 4th of<br>march 2014<br>2 X 40'<br>(08.50-09.30 sd 09.30-<br>10.10)         | Wednesday, 4th of<br>march 2014<br>2 X 40'<br>(11.10-12.30 sd 12.30-<br>13.10)         | The Froq<br>and The Ox      | Narrative | 12th             |

## H. Techniques for Analyzing the Data

This part describes the methods of data analyses employed in the present study. Data obtained from the quasi-experimental study was submitted using statistical analysis by using the Statistical Package for the Social Science (SPSS) version 16.0 software. The writer analyzed the data from the test (pre-test and post-test) between two groups (control and experimental groups).

In analyzing the data, the writer used and described some techniques, as follows:

### 1. Data Descriptions

Before analyzing the data, distribution of the data was used to see distribution of frequency data and descriptive statistics.

### **a. Distribution of Frequency Data**

In distributions of frequency data, the students' score interval, frequency, percentage were achieved. The distributions of frequency data were got from students' pretest score in control group, students' posttest score in control group, the students' pretest score in experimental group, and students' posttest score in experimental group. Then, the distribution of frequency data was displayed in a table analysis.

### **b. Descriptive Statistics**

In descriptive statistics, number of sample, the score of minimal, maximal, mean, standard deviation, and standard error of mean are obtained. Descriptive statistics were got from students' pretest score in control group, students' posttest score in control group, students' pretest score in experimental group, and students' posttest score in control group.

## **2. Pre-requisite Analysis**

Before analyzing the data, pre-requisite analysis was done to see whether the data obtained was normal and homogen. The procedure in pre-requisite analysis was described, as follows:

### **a. Normality Test**

Normality test was used to measure whether the obtained data normal or not. The data could be classified into normal when the p-output was higher than mean significant difference at 0.025 level (Basrowi, 2007: 85). In measuring normality test, One sample Kolmogorov Smirnov was used. The normality test was

used to measure students' pretest score in control and experimental group, and students' posttest score in control and experimental group.

#### **b. Homogeneity Test**

According Basrowi (2007: 106), Homogeneity test was used to measure the scores obtained whether it was homogen or not. stated that the score was categorized homogen when the p-output was higher than mean significant difference at 0.05 level. In measuring homogeneity test, Levene Statistics found in SPSS was used. The homogeneity test was used to measure students' pretest score in control and experimental group, and students' posttest score in control and experimental group.

### **3. Hypotheses testing**

In measuring significant of students' posttest score in control experimental groups was used independent sample t-test. It was used Significant difference was found whenever p-output was lower than significant t-table (Sig. 0.05).