

CHAPTER IV

RESEARCH FINDING AND DISCUSSION

This chapter discusses the analysis of each activity. The researcher explains the research finding, data analysis, and the discussion about the findings.

A. Research findings

1. The implementation of CD interactive on October 7th 2013

Pretest conducted on October, 7th 2013 at 12.30-13.30 p.m. Pretest is done to know the students' competence in mastering English vocabulary before the use of interactive CD as teaching media.

Pretest is done by 31 students of seventh grade, at Mts Banu Hasyim, Sidoarjo. The pretest questions consist of 20 questions that are use two types of question. The first type of questions consists of 10 gaps filling and 10 multiple choices. In this test, the researcher wants to know the students' vocabulary mastery.

For the Pretest, the researcher gives 0 score for the wrong answer, and 5 score for the correct answer. This scoring technique applied for all questions. The researcher calculates the sum of the correct answer and counts the total score.

The result of the pretest can see in the table below:

Table 4.1**Pretest Result**

No.	Nama	Score of test		Final Score
		GF	MC	
1.	Aini Fitria	40	20	60
2.	Ayu Widya Ningsih	35	35	70
3.	Chalimatus Sa'diyah	35	30	65
4.	Dela Maya Masita	35	30	65
5.	Dwi Nova Ramadhani	30	40	70
6.	Fransisca Putri R H	25	35	60
7.	Istiqomah Hidayah	35	35	70
8.	Lismawati	30	30	60
9.	Maslikhatun Jannah	30	35	65
10.	Nabilatus Sya'bania	45	35	80
11.	Nailatus Zamrudiyah	30	40	70
12.	Novia Lailatul Karimah	40	30	70
13.	Nur Aidah Fitria	35	35	70
14.	Nur Lailatul Qodaria	30	30	60
15.	Nurul Qomaria	35	35	70

16.	Putri Aprilia	40	30	70
17.	Putri Mutiara S	40	20	60
18.	Qurrotul Ainiyah	35	35	70
19.	Qurrotul Aini	45	30	75
20.	Rahmawati	35	35	70
21.	Rizky Amalia	45	25	70
22.	Rizky Lailatul H M	40	30	70
23.	Siti Chotijah	35	30	65
24.	Siti Roihana	35	25	60
25.	Siti Rahayu Setiana	35	30	65
26.	Siti Zahrotul Azizah	45	35	80
27.	Wardatun Ni'mah	45	25	70
28.	Winda Anggraini S P	35	35	70
29.	Yunita Amalia	40	25	65
30.	Alfina Lailil Huda	40	35	75
31.	Ni'mah Hidayatun.	35	30	65
Total		2105		

From the table above, it can be seen that total score is 2105. Next, it is converted into percentage with the following formula:

$$P = \frac{F}{N} \times 100 \%$$

$$= \frac{2105}{31} \times 100 \% \\ = 67 \%$$

Note:

P = percentage

F= achieved frequency

N= number of cases

Next percentage is classified based on the following criteria:

90% - 100% : very good

70% - 89% : good

50% - 69% : average

Less than 50% : poor

Score 90% until 100% indicates that the result is very good. Score 70% until 89% indicates that the result is good. Score 50% until 69% indicates that the result is average. Score less than 50% indicates that the result is poor. The result percentage above 69%. It means that the students pretest score is average.

The standard used to determine the students' competence in learning English based on the result of percentage. The researcher concludes that the students are not familiar with the words, so the teaching learning process of the activity is necessary to be improved. For the test, the researcher gives 60

for the minimum score and 100 for the maximum score to know the mastery of English vocabulary. The result of the students' pretest score are follows: 4 students gets 60, 7 students gets 65 , 18 students gets 70 and only 2 students gets more than 70. From the result of the pretest and the researcher concludes that most of the students have not mastered in English vocabulary.

2. The Implementation of CD interactive on October 12th 2013

The first treatment is conducted on October 12th 2013 at 15.30-16.30. The first treatment consists of watching, drilling and guessing of vocabulary in the CD. The material watching “ princess and the dragon”. By using interactive CD, LCD and projector. The material is consisting of verb and noun. The researcher gives some pictures and asks the students to guess before the lesson. The researcher wants to get the students' attention before the treatment to make successful treatment. After that, the researcher gives the treatment of vocabularies by using interactive CD with the LCD and the projector. The researcher introduces the students about “the princess and the dragon”, and then introduce some vocabularies in the CD interactive such as princess, queen, king, knight, ogre, dragon, mountain, blue sky, flew high, deep blue ocean and some of verb are captured, looked, give, rode, roar, run. Some of students did not get the new vocabularies and some of students are still confused. Therefore, the researcher played the CD interactive once again, and asks the student. the

researcher teaches about the new vocabularies and the students difficulties. Researcher teaches by asking and drilling. To check about the students' understanding about vocabularies the researcher gives some guessing of the new vocabularies in the princess and dragon.

3. The implementation of CD interactive on October 15th 2013

The second treatment conducted on October 15th 2013 at 12.30-13.30 p.m. the second treatment consist of gaps filling, drilling and multiple choice. The material use movie with the title "jack and the beanstalk" using CD interactive with LCD and projector. The material consists of some vocabularies; there are live, poor, told, sell, cow, magic bean, saw, angry, threw, climb, sky, cloud, beautiful castle, heard, giant, hen, a golden harp, sleep, jumped, took, woke up, run, climbed down, axe, fallen, ground etc.

The researcher asks the students about the treatment before. The researcher gives the students twist game to memorize the vocabularies about "princes and the dragon". After that the researcher gives treatment about "jack and the beanstalk" by using CD interactive with LCD and projector. The researcher introduces the new vocabularies about "jack and the beanstalk" by writing and drilling to check the students' understanding about the vocabularies. The researcher asks the students about verb with changing the verb one to verb two and the researcher gets difficulties to

ask about it. The students get confused when the students look at the latter of the verb. However, the researcher explains the verb vocabulary and helps the students to memorize the vocabulary. The students try to remember the vocabulary. The students can answer the vocabulary correctly.

4. The implementation of CD interactive On October 19th 2013

The third treatment conducted on October 19th 2013 at 15.30-16.30p.m. The third treatment consists of gaps filling, drilling and writing. The material use “the twin’s week” by using CD interactive, LCD and projector. The material consists of some name of animals, name of day and verb.

The researcher asks the students about the treatment before. The researcher gives some guessing games to measure the students’ vocabularies. Student who cannot answer will get punishment. After that, the researcher gives the treatment about “the twin’s week” by using CD interactive with LCD and projector. The researcher introduces the new vocabulary about the name of animal, name of days and verb. The researcher teaches the new vocabulary of animal such as octopus, hippo, frog, pandas, shark, crocodile, parrot, cat, fish, dog, cat, monkey, kangaroos etc. the name of days such as Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday. And some verbs such as run

keep, take bath, breakfast, ride, take a shower, dinner, clean, run, foot balls, swim, home work, shopping, sleep, walk around etc. by guessing, drilling and writing. To check the students' understanding about the vocabularies, the researcher asks the students to mention the new vocabulary. Who can answer the question will get a point. This way to make students more interesting, there are some students passive in this class, so researcher guide the passive student to answer, and the passive students more active as other students. In addition, all of students try to remember and the students can answer correctly.

5. The Implementation of CD interactive On October 22th 2013

The last treatment is conducted on October 22th 2013 at 12.30 – 13.30 p.m. the third treatment consists of gaps filling, drilling and writing. The material is all of vocabularies by using CD interactive with LCD and projector. The researcher is combining the material on the first, second, and the third to memorize the vocabularies.

To check the students' understanding about the vocabularies, the researcher asks the students to answer the researcher's question about the vocabulary and the researcher asks students to write the answer on the white board. While the last treatment, the researcher cannot ask all of students answers the question and write the answer on the white board.

The improvement can see through students' response answering. Most students answer the question quickly and correctly.

6. The Implementation of CD interactive on October 23th 2013

Posttest conducted on October 23th 2013 at 12.30 – 13.30 p.m. Pretest is done to know the competence of students in mastering English vocabulary after the students recognized and used CD interactive as teaching media.

Posttest is done by 31 students of seventh grade at MTs Banu Hasyim, Sidoarjo. The posttest question was consists of 20 questions which use two types of question. First types of question 10 multiple choices, 10 gaps filling. The topic of the test is all of the videos. In this test, the researcher wants to know the students' vocabulary mastery after the students get the treatments. For the posttest, the researcher gives 0 for the wrong answer and 5 for the correct answers. The researcher calculates the sum of the correct answers and counts the total score.

Table 4.2**Posttest result**

No.	Student's Name	Score Of Test		Total Score
		I	II	
1	Aini Fitria	50	40	90
2	Ayu Widya Ningsih	50	45	95
3	Chalimatus Sa'diyah	45	40	85
4	Dela Maya Masita	50	45	95
5	Dwi Nova Ramadhani	55	40	95
6	Fransisca Putri Rahmatul H	45	40	85
7	Istiqomah Hidayah	45	45	90
8	Lismawati	50	45	95
9	Maslikhatun Jannah	45	50	95
10	Nabilatus Sya'bania	50	50	100
11	Nailatul Zamrudiyah	50	50	100
12	Novia Lailatul Karimah	50	45	95
13	Nurul Qomariyah	45	45	90
14	Putri Mutiara S	35	45	80
15	Qurrotul Aini	50	45	95
16	Qurrotul Ainayah	45	50	95
17	Rahmawati	45	45	90

18	Rizky Ayu Amalia	50	45	95
19	Rizky Lailatul H M	45	50	95
20	Siti Chotijah	45	50	95
21	Siti Roihana	45	45	90
22	Siti Rahayu Setiana	45	50	95
23	Siti Zahrotul Azizah	50	50	100
24	Wardatun Ni'mah	50	45	95
25	Winda Anggraini	50	50	100
26	Yunita Amalia	50	45	95
27	Alfira Lailil Huda	50	45	95
28	Ni'mah Hidayatul M	45	50	95
29	Nur Aida Fitriyah	50	45	95
30	Nur Lailatul Qadaria	45	50	95
31	Putri Amalia	45	45	95
Total				2905

From the table above, it can be seen that total score is 2905. Next, it is converted into percentage with the following formula:

$$\begin{aligned}
 P &= \frac{F}{N} \times 100 \% \\
 &= \frac{2905}{31} \times 100 \% \\
 &= 93 \%
 \end{aligned}$$

Note:

P = percentage

F= achieved frequency

N= number of cases

Next percentage classified based on the following criteria:

90% - 100% : very good

70% - 89% : good

50% - 69% : average

Less than 50% : poor

Score 90% until 100% indicates that the result is very good. Score 70% until 89% indicates that the result is good. Score 50% until 69% indicates that the result is average. Score less than 50% indicates that the result is poor. The result percentage above is 90%. It means that the students' posttest score is good.

The standard or criteria used to determine the students' competence in learning English. The researcher concludes that teaching learning process of the activity is necessary to improve the students' competence in mastering English vocabulary.

For the posttest, researcher gives 75 for the minimum score and 100 for the maximum score. To know the mastery of English vocabulary the result of the students' posttest is as follows there not students who get score less than 85, only 3 students get 85 and some of students get more than 85. From

the result of the pretest, the researcher concludes that most of the students' English vocabulary mastery is well. It shows the improvement of the students' score after the use of CD interactive as teaching media.

To know the response of students during the treatment can be seen from their result of posttest. The score before treatment and after treatment is different. Vocabulary mastery of the test is gaps filling and multiple choices. In the gaps filling composed of constructing new sentence. In the multiple choices composed of translating new vocabulary and word from.

Most of students are competence in each kind of test, especially in constructing of new sentence. 40% very good, 30% good and 30% average. In multiple choices composed of translating new vocabulary and word form. 30% very good, 40% good and 30% average.

B. Data Analysis

In this research, the result of the analysis is taken from the pretest result on October 7th 2013 at 12.30 – 13.30 p.m. and posttest on October 23th 2013. Data are analyzed by t-test formula and the result is presented below:

No.	Student's name	Pretest	Posttest	Gain (d) (Posttest- Pretest)	Xd(d-Md)	X ² d
1	Aini Fitria	60	90	+ 30	4.20	17.64

2	Ayu Wdya Ningsih	70	95	+	25	-0.80	0.64
3	Chalimatus Sa'diyah	65	85	+	20	-5.80	33.64
4	Dela Maya Masita	65	95	+	30	4.20	17.64
5	Dwi Nova Ramadhani	70	95	+	25	-0.80	0.64
6	Fransisca Putri Rahmatul	60	85	+	25	-0.80	0.64
7	Istiqomah Hidayah	70	90	+	20	-5.80	33.64
8	Lismawati	70	95	+	25	-0.80	0.64
9	Maslikhatus Jannah	65	95	+	30	4.20	17.64
10	Nabilatus Sa'baniyah	80	100	+	20	-5.80	33.64
11	Nailatus Zamrudiyah	70	100	+	30	4.20	17.64
12	Novia Lailatul K	70	95	+	25	-0.80	0.64
13	Nur Aidah Fitria	70	95	+	25	-0.80	0.64
14	Nur Lailatul Qodaria	60	95	+	35	9.20	84.64
15	Nurul Qomariyah	70	90	+	20	-5.80	33.64
16	Putri Amalia	70	95	+	25	-0.80	0.64
17	Putri Mutiara	60	80	+	20	-5.80	33.64
18	Qurrotul Aini	70	95	+	25	-0.80	0.64
19	Qurratul Ainiyah	70	95	+	25	-0.80	0.64
20	Rahmawati	70	90	+	20	-5.80	33.64
21	Rizky Amalia	70	95	+	25	-0.80	0.64
22	Rizki Lailatul HM	70	95	+	25	-0.80	0.64

23	Siti Chotijah	65	95	+	30	4.20	17.64
24	Siti Roihana	60	90	+	30	4.20	17.64
25	Siti Rahayu Setiana	65	95	+	30	4.20	17.64
26	Siti Zahrotul Azizah	80	100	+	20	-5.80	33.64
27	Wardatun Ni'mah	70	95	+	25	-0.80	0.64
28	Winda Anggraini	70	100	+	30	4.20	17.64
29	Yunita Amalia	65	95	+	30	4.20	17.64
30	Alfira Lailil Huda	70	95	+	25	-0.80	0.64
31	Ni'mah Hidayah	65	95	+	30	4.20	17.64
	Σ	2105	2905		800		504.84
	\bar{X}	67.90323	93.70968				

$$Md = \frac{\Sigma d}{x} = \frac{800}{31} = 25.806452$$

Significantly Test :

$$t = \frac{Md}{\sqrt{\frac{\Sigma X^2 d}{N(N-1)}}} = \frac{25.806452}{\sqrt{\frac{504.84}{31(31-1)}}} =$$

$$\frac{25.806452}{\sqrt{\frac{504.84}{930}}} = \frac{25.806452}{\sqrt{0,543}} =$$

$$\frac{25.806452}{0,736}$$

$$= 35,026$$

$t = 35,026$

The critical $t = 25,806452$

The observed $t = 35,026$

The result is $25.806452 < 35,026$

So, H_0 is rejected H_a conformed.

This is to say that H_a confirmed. It means that CD interactive as teaching media can significantly improve the students' competence in mastering English vocabulary.

The researcher calculates the data by using t-test formula and the result compared to the critical t that can taken from a table of critical values. The result shows that the observed is higher than the critical t; it means H_0 rejected and H_a confirmed.

From the analysis above, the researcher concludes that using CD interactive as teaching media in teaching English vocabulary can improve the students' competence in mastering English vocabulary.

C. Discussion

The students of seventh grade of MTs Banu Hasyim, Sidoarjo are not interested to learn English especially in vocabulary. Based on the preliminary study, the researcher finds the students are more interested in other subject than English subject. Therefore, the students need a teaching media to make the students' competence better especially in mastering English vocabulary.

To improve the students' competence in mastering English vocabulary, CD interactive as teaching media is used. CD interactive is given to students during treatment. The researcher focuses on new vocabulary. The researcher uses common verb and noun for learning English vocabulary.

According to David Nunan, the appropriate way and supported by suitable of selecting media can be best effort to get maximal result in vocabulary mastery of students in order to reach language competence. Vocabulary is more than lists of target language words.⁴¹

Pretest conducted by 31 students of seventh grade MTs Banu Hasyim, Sidoarjo. The pretest question consists of 20 questions. 10 of gaps filling and 10 of multiple choices it consists of each title that consist of verb and new vocabulary.

The first treatment is about studying English vocabulary about "princess and the dragon" by watching, drilling and guessing of new vocabulary by using CD interactive. The material consists of noun and verb. The second treatment about studying English vocabulary about "jack and the beanstalk" by gaps filling, drilling and multiple choices by using CD interactive. The material consists of some of noun and verb. And the third treatment is about studying English vocabulary "the twin's week" by gaps

⁴¹ David Nunan, *Second Language Teaching and Learning*(Boston; Heinle & Heinle publisher,1992). P 101

filling, drilling and writing by using CD interactive. The material consists of name of animal, some verb and name of days.

After doing treatment, the researcher gives the post-test to the students. The posttest question consist of 20 questions which use two types of questions. The first type is gaps filling and the second type is multiple choices. The topic of test is combined from three titles.

The last, the researcher collect the data of pretest and posttest to calculate the researcher result. To know the result of the hypothesis, the researcher uses t-test formula. Parametric statistic is used to know the result of hypothesis. The test is compared the average of two sample with the interval. It means two sample that had the same of population and sample in the different time. T- Test is used to interval or ratio the data. According to Suharsimi Arikunto⁴², the t-test formula can be used to analyze quasi experimental result using a pretest and posttest by one group design. The formula used in the t-test formula

The researcher calculates the data use t-test formula and the result compares to the critical t which can be taken from a table of critical values. The result is the observed t is higher than the critical t, it means Ho is rejected and Ha is confirmed.

- Ha: CD interactive ass a teaching media can significantly improve the student's competence in mastering English vocabulary.

⁴² Ibid, 349.

- Ho: CD interactive as a teaching media cannot significantly improve the student's competence in mastering English vocabulary.

Based on the research which analyze with t-test formula, it shows that Ho is rejected and Ha is confirmed. It shown by the result analysis that: The observed $t = 35,026$ the result is $25.806452 < 35,026$ So, Ho = rejected and Ha = confirmed