

## **CHAPTER IV**

### **FINDING AND DISSCUSSION**

This chapter shows the results and discussion of the process of learning process from the XI grade at Satya Widya Surabaya academic year 2017/2018. The learning process and explanations are concerned with the explanation of the Augmented Reality as a media of teaching and learning process to teach writing. The finding the research done by taking field notes, interviews result and questionnaire scoring rubics.

#### **2.5 PRELIMINARY STUDY**

This stage explains the condition of the students before the researcher doing the research. Pre-observations conducted on March 27 March 2018. Before doing the research the researcher conduct interviews to an English teacher who taught processed and do observations while learning process. Researcher conducted interviews to the English teacher at the break time before the learning process began. Based on the results of interview with teacher, we knew about the student's conditions in learning English

In general the students have difficulty in the writing activity because the students lack of vocabularies, the students could not get inspirations or ideas in making paragraphs and the students are bored or lack of motivation in the learning process. The teacher needs some new methods, media or atmosphere for teaching them for better result in teaching and learning.

Most of the student did not pass the passing grade. The passing grade which has been established by a school that is 75. Students in grades XI APH 6 are 34. Based on the results of pre observation of students who scored above the passing grade 19 and 11 students did not get the passing grade.

On the first score in pre observation results of the exercise the students got the lowest score on the aspect of the format and mechanism was 13.17. It means that in students' writing there are a little mistake of punctuation and capital letters are used correctly. The students got 14.05 on content it means that the paragraph from the student's writing was relevant and some of the students' writing was interesting to read. The students got 13.32 on grammar and sentence structure it means that some of the students' sentences has little

grammatical mistake and it contains of simple present tense. The students got 14.76 on the organization it means that the paragraph on students' writing has a topic sentence, some of theirs writing contains only three supporting sentences which explain the topic sentence and ends with a concluding sentence.

The learning process some students had the motivation of learning and some of them were not. Students feel less motivation in learning English because they think English language is hard. When pre-observation students' enthusiastic to be active in the class was very less. They often performed activities that can distrub class such as talking with friends. Teachers need an interesting method to be able to increase the motivation of learning students so that they are more active when teaching and learning process.

## **CYCLE ONE**

### **a. Planning**

Based on the results of the pre-observation the teacher and the researcher make a discussion to make a new method or material to solve the student's problems in teaching and learning English. The students still have not been able to write well. So the researcher and English teachers conduct discussions to create a learning plan that will be done with the media of Augmented Reality with hope students will become better at writing and students are more motivated in learning the English language. The researcher gave advice to use AR as a new media learning because AR offers us a new way to interact with the physical (or real) world and interested to be used for media learning and teaching. AR can make students and teachers understand the material. The researcher gave an explanation and taught how to use AR as media learning and teaching. The researcher asked the teacher to download applications of AR (HP Reveal) via google play and the researcher showed how to use AR to the teacher.

The researcher and English teachers discussed about the draft lesson plans and materials of lesson that related with students of SMK class XI. Topics that discussed about report text. The teacher and the researcher choose Report text as a material because it's related with the basic competencies and the teacher's syllabus for XI grade of APH in second semesters. The teacher and the researcher discussed arranged and the lesson plan together. After lesson plan fixed by English teacher, the researcher prepared the power point for the material, prepared the media of Augmeted Reality, prepared the worksheet, and the material of the report text. The lesson plan contained and explained the purpose, the indicator method of learning process, matter of lesson, steps of learning activity and just assesment for the student's work

(see appendix). The researcher prepared the observation checklist and field note for write the response from the students and the teacher in learning process. And the researcher prepared the questionnaire and some question for an interview the teacher after doing the research.

## **b. Acting & Observing**

### 4.2.1 First Meeting

In the first meeting conducted into two times so that the meeting made into one and two. Teachers and the observer entered the class together. The observer greeted the students in class and sat behind the students and brought the observation checklist and observed how condition of the class.

The teacher started the learning process with greeted as usual "Good afternoon, how are you today? And the students's answered "Good afternoon sir, I am fine thakyou". After that, the teacher began to check for the presence list of the student. Teacher started with played the video of report text entitled "doctor" who has been prepared by the observer. The students watched a video about the doctor who has been played by the teacher. The video contains about definition, the doctors' job. After that the teacher asked the students to give their opinion about the video "ok what do you think about this video? What do you think about the doctor? "and some students answered about the definition of doctor, what does a doctor at the hospital do. And teacher gave feedback of any answered from students. So the students can started defining a doctor.

After that, the teacher began to divide the group into 6 groups, 1 group consists of 5-6 students. The class condition started noisy and the teacher began to control the student's circumstances by dividing the appropriate seating front and back. The teacher began to instruct each group to make a paragraph about doctor. While students made a paragraph about doctor, the teacher gave an example of report text about "doctor" through the AR app has been prepared by the observer. The teacher started showing the example by walking in each group because the AR app has made can only be used in mobile phones that have been made. Student groups began observing the example text report that has been prepared with AR media. The students began asking about the app being used and they look very exited when the teacher showed the use of AR.

The teacher started asking about what the students learn from the report text "Ok after you watched the examples from the report text, what did you know about report text?" and the

students still feel confused and did not answer. Finally a teacher gave an explanation about report text with language feature and generic structure of report text with media power point and video. The students were paying attention to what has been described by the teacher and some student took a note and there were some students who were talking with the others.

The teacher gave the topics to be developed into factual report text on each groups. These topics have been suitable for their vocational, the topics were Front Office, House Keeping, Product, F&B Service, Public Area. In each groups there were students who diligently write the results of the discussion and there were some who made a noisy in the classroom.

Because lessons have been completed then the teacher made a review for today. The teacher remind students that the next meeting will continue the discussions that they have done. The class closed with a teacher gave greeting.

#### 4.2.2 Second Meeting

The second meeting was conducted on Thursday, April 16<sup>th</sup>, 2018. The teacher go to the class and as always says greeting to the students. The students answered the greeting. The condition of class that there were some students who were still in outside of the classroom and the teacher waited for students to come so that the lessons of that day can quickly begin. The observer sat behind and observing the condition of the classroom at the time. After students entered the classroom the teacher began to check the presence list of the student.

The teacher started the lesson by giving an example of a text report "doctor" who has been delivered in the last meeting. The teacher asked the students's opinion about the media AR that the teacher used to teach report text. Some students gave their opinions with very enthusiastic and they started asking whether why it could be appear on paper? And some of the other students were still confused. The teacher started to give explanations about the media he used. Students with enthusiasm to pay attention to the explanations that have been given by the teacher.

The teacher asked each group to prepare 1-2 handphone to download the AR mobile app from their handphone or iphone with the name "Hp reveal". For to save time then there were some students' handphone shared the app form share app and the observer helped the teacher to share app. When the process of downloaded the app or shared the app started the class condition was noisy because the students wanted to know what kind of app that will be used.

The teacher and the observer began to control the class and the class began to be controlled after all groups got the Hp reveal app.

After that the teacher showed the example of scientific text report and how to apply it into AR as media learning. Students looked so enthusiastic when the teacher showed the using of AR by using power point slides that have been prepared by Observer. When the teacher exemplify how to make AR some students started asking about the media being used. After the teacher finished gave how to use and create AR, the students who tried theirs AR to create their own AR from the text that they have discussed in previous meetings..

#### 4.2.3 Third Meeting

In the third meeting continued by the content that has not been done in the second meeting.. The teacher and the observer waited the students to come in the classroom. After the students have already entered the classroom the teacher gave greeting and started to continue the content before.

After the students tried to make creations report text by using AR, the teacher tried to check the results of their worked and ensured for each groups has made it. As long as the students made AR's creations for report text, the teacher checked out any progress in each group. Some groups still confused and asked for help from teacher to help them and there are some students who have learned and can made it. The class condition at that time very conducive a little noisy but they looked so enthusiastic to make the report text from AR media.

After the students finished with their AR's creation of report text, the teacher gave directions for each groups to try another group creation of AR with the order of the Group 1 group  $\Leftrightarrow$  2 group ; Group 3  $\Leftrightarrow$  Group 4 ; Group 5  $\Leftrightarrow$  Group 6. The student must made a resume about that topics that have been created by that group. When the students are doing assessment and wrote the resume the condition of class little crowded.

After the students finished doing a peer assessment of other groups then the students returned back to the seat. The teacher asked each student to make a report text with one of the topics that have been given by the teacher. The teacher giave choices of 5 topics can be chosen by each student that is the Front office, housekeeping, product, F&B service and Public areas. The aims of given exercise to evaluate student learning outcomes and to know the development of learning using AR

After the students made text report, the teacher concluded the content for today that has been discussed and the time for today is end up. Then the teacher ended the lesson by saying greeting.

### **c. Reflecting**

The researcher analyzed the results of the observations that had been made on one cycle with three meetings. The observation results of cycle one retrieved from the result of the exercise that has been given by the teacher. The teacher has given 3 times exercises in cycle one. The first exercise was group's task and the students made a report text from the teacher topics after finished they created into AR media. Second exercise for each students should created a resume after they did peer assement. And the last exercise the students transferred to make the report text from one of the topics they already get. From the results of the second task students 20 students do not pass the passing grade and 14 students got the passing grade from school. The researcher and the English teacher agreed to do the cycle 2. The role of cooperative learning really help students to be sharing information and teaching together for learning the material.

There were some learning activities while students still feel confused and some missed because of the insufficient time. The teacher was still not able to use AR as a media of teaching and learning. So the increasing of student learning motivation after using media AR still less of the competences. From the observation results of the cycle one, the researcher and the teacher conducted to do observation for the second cycle. At the meeting of cycle one, the teacher missed a step he should play a video about the explanation of language feature of report text because the time is not. So the teacher just explained without playing the video that has been prepare the researcher.

### **Cycle Two**

The teacher and the researcher were less satisfied with the first cycle results so the researcher and the teacher conducted to do observation for the second cycle because some learning activities while students still feel confused and some missed because of the insufficient time. The teacher was still not able to use AR as a media of teaching and learning. So the increasing of student learning motivation after using media AR still less of the competences.

### **a. Planning**

The researcher and the teacher discussed and pre-arranged the lesson plan together. The teacher and the researcher pre-arranged new lesson plan that contains parts that lack of cycle one. On cycle two the teacher and the researcher still discussed the Report text with AR media. The researcher gave more explain to the teacher to use AR as media more correctly. The differences from lesson plan in cycle 1 and cycle 2 is on the cycle 2 the teacher agreed to emphasize the materi that helped by AR as a media learning and teaching. The teacher repeat to explain about the report text by using AR as media. In cycle 2 the students are expected to be able to write a text report with good writing.

After lesson plan fixed by English teacher, the researcher prepared the power point for the material, prepared the media of Augmented Reality, prepared the worksheet, and the material of the report text. The lesson plan contained and explained the purpose, the indicator method of learning process, matter of lesson, steps of learning activity and just assesment for the student's work. The researcher also sat up quissioner and questions's interview for teachers after the observation done.

### **b. Acting and Observations**

Teachers and the observer entered the class together. The observer greeted in class and sat behind students. The observer brought the observation checklist and observed how was the condition of the class.

The teacher entered the classroom and greeted "Assalamualaikum, how are you today?" and the students answered the greetings from the teacher. After that, the teachers checked the attendance list. Teachers began the lesson for today by asking about the report text that last week they have learned. "what is report text?;" anyone can mention the language features from report text? ". Some of the students can answered the questions from the teachers and there were students who still forgot the content. And the teacher started to play video on an explanation report text that had been prepared by the observer and the students paid attention. The students noted the explanation given by the teacher. After that, the teacher gives examples again about report text in AR. The teacher gave a review of the content that has been given in previous meetings. The teachers gave assignments for students chose 1 topic to make a report text from this topics Front Office, House Keeping, Product, F&B Service, Public Area at least 2 paragraphs. The condition of the class were conducive when the

students wrote a report text from that topic that they have chosen by themselves. After the time ended up the teacher collected the exercise as a score for cycle two.

### **c. Reflecting**

The researchers analyzed the results of the observation from second cycle. The result from the observation of the second cycle took an exercise that has been given by the teacher. The teacher has given 1 times exercises in cycle one. The exercise was individually tasks to make a report in accordance with the topic they have chosen. From the observation in cycle 2, the students's level respons was increased than the students's level respons in cycle 1. From the learning outcomes shows if the students's ability in writing skill increased. Based from second cycle we can concluded that in XI APH 6 contains 34 students and the students who reached the minimum completeness criteria there were 21 students and 12 students got standard grade from school (see appendix). Indicates if learning English by using Augmented Reality effectively applied in Class XI APH 6, because the second cycle results the value of students' scored the minimum mastery criteria was more than 17 students.

The students' motivation is improved in cycle 2. The condition of the class more conducive, students can pay attention to the teacher's explanation that given by the teacher and the students tried to ask to the teacher if they did not undersatand about the material, the role of cooperative learning really help students to share information and do peer teaching in learning the material and teaching togheter for learning the material and the students more curiosity about the material. It showed that students' are motivated and showed good cooperation among students to learn and to achive the goal.

## **4.2 Discussion**

Most of the student did not fullfill the passing grade. The passing grade which has been established by a school that is 75. Students in grades XI APH 6 are 34. Based on the results of pre observation of students who scored above the passing grade 19 and 11 students did not get the passing grade.

### **A. Writing Skill**

From the table below the average results obtained on each cycle and each aspect as well as we can see an increase in the score at each increment values in each aspects. In the previous score the students mean in writting skill is 56.3 after the teacher and the researcher took a discussion and made a new lesson plan with AR as a media of teaching and learning,



the students mean score become 71.58 (see the table below). Next the teacher and the researcher conducting the discussion again to improve the learning outcomes of students then did cycle two.

**Table 4.1 Students mean score**

Component Aspect	previous score	Cycle 1	Cycle 2
Content	14.05	18	18.07
Organization	14.76	17.94	19.64
Grammar and sentence structure	14.32	17.85	18.73
Format and mechanism	13.17	17.79	19.08
Writing Aspect	56.3	71.58	75.52

Based from the previous score and the score in cycle 1, we can conclude that there is an increasing in the scores of each aspects, after used Augmented Reality as a media learning and teaching. On the first aspect is content and the table on mean students is 14.05 and after used Augmented Reality as a media learning and teaching the mean score of content in class XI APH 6 is 18. On the second aspect is Organization, the score of the average students is 14.76 and after used Augmented Reality as a media learning and teaching the average value of content in class XI APH 6 became 17.94. In the third aspect is Grammar and sentence structure in the table average students is 14.32 and after used Augmented Reality as a media learning and teaching the average score of Grammar and sentence structure in class XI APH 6 became 17.85. And the last is format and mechanism on the table's first score of average students is 13.17 and after used Augmented Reality as a media learning and teaching the average value of format and mechanism in class XI APH 6 is 17.79.

On the previous score in pre observation results of the exercise the students got the lowest score on the aspect of the format and mechanism was 13.17. It means that in students' writing there are a little mistake of punctuation and capital letters are used correctly. The students got 14.05 on content it means that the paragraph from the student's writing was relevant and some of the students' writing was interesting to read. The students got 13.32 on grammar and sentence structure it means that some of the students' sentences has little grammatical mistake and it contains of simple present tense. The students got 14.76 on the organization it means that the paragraph on students' writing has a topic sentence, some of

theirs writing contains only three supporting sentences which explain the topic sentence and ends with a concluding sentence.

The learning process some students had the motivation of learning and some of them were not. Students feel less motivation in learning English because they think English language is hard. When pre observation students's enthusiastic to be active in the class was very less. They often performed activities that can distrub class such as talking with friends. Teachers need an interesting method to be able to increase the motivation of learning students so that they are more active when teaching and learning process.

We can see the result for cycle 2 there are increasing in each aspects and the students mean in writing score for cycle 2 is 75.52. Students felt with the help of AR as a media in learning their results in writing is getting better because AR can open their's new ideas in their writing process.

#### **A. Passing Grade**

Passing grade which has been established by a school that is 75. Students in XI grade of APH 6 are 34, based on the results of pre observation students who scored above the passing grade were 11 and 24 students did not get the passing grade. Based on the table above the average score of results pre observation of students was 56.3 . Students feel less skill in writing because the students lack of vocabularies and the students could not get inspirations or ideas in making paragraphs. After the teacher and the researcher took a discussion and made a new lesson plan with AR as a media of teaching and learning, 12 students that got the passing grade and 23 students still under the passing grade. Next the teacher and the researcher conducting the discussion again to improve the learning outcomes of students then do cycle 2 and on a students' score in writing report text for cycle 2 were 20 students got the passing grade and 10 students got under the passing grade. From the student's score result in cycle 2 showed that students got the material and the lesson. There were an increasing in student's writing about report text, their' writing more freely, new vocabularies, and they have an idea in writing.

#### **B. Motivation**

This research focused on the using of AR as a media teaching and learning process to help students in writing report text. The atmosphere of the classroom at the time of the first observation was done, students lack of motivation while learning process. To solve the

problem of student's motivation in English learning and problem in writing class, the teacher and the researcher applied AR as a media in learning and teaching process.

From the results of research that has been done the motivation in learning process of students increased to learn English language especially in Writing Skill. They are very enthusiastic when teachers teach using AR as media of teaching and learning. The Processed very conducive, the role of cooperative learning really help students to be sharing information and teaching together for learning the material and student's focus to pay attention to the explanations from the teacher.

#### a. Students Response

This is a result of questionnaire which have been answered by the students after the learning process by using the AR media. The researcher wanted to know how the students ' response after using AR as media learning English language. To examine the result of questionnaire, the researcher used that formula. The formula could be seen as below:

$$\frac{\text{The number of students choosing a certain option}}{\text{The number all students}} \times 100\%$$

From the questioner, the question for students "Are you happy in learning English language? From that statement it can be explained that 41.17% of eleventh grade students in APH 6 answered "Happy", 32.35% answered "quite happy". Students who answered "un happy" and "very happy" is 8.82%.From the statement we can conclude that before took the research less than 50% of the total grade of XI APH 6 enjoy with English language lessons.

The students's response for the second statement "In studying English language, do you always pay attention to the teacher explanation?" 52.94% answered "always" and 29.41% answered "often". Students who answered "sometimes" is 17.64% and none of the students answered "never".From the statement we can conclude that before took the research 52.94% of the total grade XI APH 6 pay attention when the teacher taught but there are 40% of students are less mindful of teachers when teaching.

The question for students is "Do you understand about Report Text?". From the sttement 76.47% answered "understand", 14.70% answered "deeply undersatnd" 8.82% answred "quite understand" and none of the students answered "not undertand".From the statement we can

conclude that after having done the research 76.47% of the total grade XI APH 6 understood the materi about Report text and it showed if the students understand and can make report text with the help of AR as a media of learning.

The students's response for the fourth statement "Have you understand about the purpose of the Report Text?" 82.35% answered "Understand", 17.64% answered "deeply understand" and none of the students answered "quite understand" and "Not understand". From the statement we can conclude that after having done research 82.35% of total grade XI APH 6 quite understand the purpose of this text and it showed if students can make their text report .

The students's response for the fifth statement "Have you understand with the teacher's explanation about the structure of the writing Report text?" 61.76% answered "understand" and 35.29% answered "deeply understand". Students who answered "quite understand" is 2.94% and none of the students answered "not understand". From the statement we can conclude that after the research is almost 90.00% of total grade XI APH 6 already understand the explanations from the teacher about the structure of the writing of Report text and it showed if the students understand and can make the report text with a good writing structure.

The question for students is "Does the English language learning by using Augmented Reality as a media makes you easy to understand the lesson?". From the statement 82.35% answered "deeply understand". Students who answered "understand" and "quite understand" is 8.82% . None of the students answered "not understand". From the statement we can conclude that after having done research 82.35% of total grade XI APH 6 argues if learning by using AR really help them to understand the material about the report text. This showed that AR make the students more understand about the lesson.

The statement for students is "Whether the teacher often create a pleasant atmosphere in teaching and learning?". From the ststatement 61.76% answered "sometimes", 23.52% answered "often", 14.70% answered "always" and none of the students answered "never". From the statement we can conclude that before took the research 61.76% of the total grade XI APH 6 argues when teaching and learning the teacher rare do some innovations in learning so that the atmosphere of the class is sometimes bored and made an influences to the students'e motivation in learning process.

The students's response for eight statement "When you feel don't understand about the teacher explanation, do you ask to the teacher?" 64.70% answered "never" and 23.52% answered "sometimes". Students who answered "often" is 11.76% and none of the students

answered “always“. From the statement we can conclude that before took the research 64.70% of the total grade XI APH 6 less of motivation in asking question to the teacher in classroom. From the statement we can conclude that pbefore research 64.70% of total grade XI APH 6 less of motivation in asking question to the teacher in classroom.

The statement for students is “Do you think learning English using Augmented Reality motivated yourself?”. From the statement 85.29% answered “very motivated”. Students who answered “motivated” is 8.82% and 5.88% students answered “quite motivated”. None of the students answered “very motivated“.From the statement we can conclude that after having done research 85.29% of total grade XI APH 6 argued if AR can help motivating them to learn so that there is increasing in their ability in writing skill.

The students’s response for the tenth statement “Do you feel interesting to learn English by using Augmented Reality?”82.35% answered “very interested“, 11.76% answered “interested“ and 5.88% of students answered “quite interested”. None of the students answered “less intersted”. From the statement we can conclude that after having done research 82.35% of total grade XI APH 6 argued if learning process by using AR as a media in report text very interesting.

#### b. Result of the interview

After doing research at April 26, 2018 the researcher conducted the interview with the teacher. Interview conducted to be used to strengthen the results of research and as a suggestion to another teacher who will apply the AR as a media of learning and teaching. (see appendix)

The researcher asked 4 questions to the teacher. Based on the interview’s result it’s found that Augmented Reality is an application of the latest in digital media at this time. Augmented reality can also play a role in the world of education as he applied to teach students. Augmented Reality make it easy us to connect with the world of 3D or digital media which very interactive to teach students. So that students become excited to learn. And he also said that he interested to apply AR as a media teaching and learning.. Because he though this Augmented Reality is a new media for teaching English to students and it’s very support to practice and take out the ideas of the students so that they are increasingly active in the learning process.

However the teacher still has problem in applying AR. The problem is from the aspect of the using of the media. Because Augmented Reality can only be accessed with a device that has been set. So to explain to the students quite difficult. Furthermore, the teacher is interested in Augmented Reality and he also suggested to other teacher to apply this because he thinks AR is proven to be a very good technique in teaching writing.