# CHAPTER III

# RESEARCH METHOD

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## A. Method of The Research

### 1. Research Design

The research design used in this research is CAR (Classroom Action Research). According to (Cresswell, 2005) Classroom Action Research (CAR) is to try to take research and also be able to explore whether something can be done in a better way or not, this type of research is done to improve local classroom practice. Action research provides an opportunity for teachers to reflect on their practice. Action Research is a process in which educators examine their practice carefully and systematically using research techniques. The aim is to identify issues or problematic situations that are considered by students or students worth investigating to bring about critical changes in practice (Sukardi., 2013). The research design in this study is part of the CAR, namely collaborative classroom action research. The point is that the researcher collaborates with the teacher of tenth-grade natural science at SMA Negeri 4 Metro. In carrying out the research, the role of the researcher is as a teacher who teaches vocabulary using Mr. Dennis' videos on Instagram. While the role of the English teacher is as an observer, namely observing teaching and learning activities during the vocabulary learning process.

### 2. The Procedures in Classroom Action Research

According to (LATIF, 2016), the Classroom Action Research component is a series of activities starting from an action plan to the final process of reflection called cycle research. Each cycle consists of four stages, They are (1) Planning, (2) Action, (3) Observation, and (4)reflection. Usually, this research ends in the second cycle.

a. **Planning**

At the planning stage, the researcher will be prepare and share the Google Meet application password in the whatsapp group, prepare an online attendance list in the whatsapp application, prepare an observation sheet and prepare an evaluation sheet after learning activities.

b. **Action**

At the action stage, The researcher will be shows video Mr. Dennis' The teacher asks students to look video Mr. Dennis' ,After watching video Mr. Dennis, the researcher will be asks students about vocabulary, Asking the students problemSummarizing and evaluating what has been discussed. The Teacher closes teaching and learning process

c. **Observation**

At this observation stage, the english teacher will observed vocabulary mastery and student learning activities such as responding to the teacher, answer question, doing assignment and fiil attendance class in the whatshap group.

d. **Reflection**

the researcher will be concluded that determine the next action in the next cycle. The research can be successful if students got to score 75% and have good participation during the learning process.

B. **The Subject of the Study**

The subject of this study is tenth-grade natural science for the academic year 2020/2021. The total number of students is 33 students. Located on Jl. Raya Stadion No. 24Tejosari, Metro Timur, Lampung.

**C.  Research Instruments**

In this study, the researcher has an important role in acting as an observer to collect the data and also the person who will act. Besides that, the researcher also applies actions in the classroom, the English teacher as a collaborator acts as an observer. The instruments used in this research are interview guides, observation lists, tests, etc. For this reason, in this study, the researcher used interview guidelines, observation checklists, and tests.

**1. Documentations**

Documents such as images, videos, letters, text, manuscripts, or masterpieces. Documentation can be done by collecting, reading, and studying various forms of written data such as magazines, books, journals, or other sources, contained in libraries, the internet, or others so that they can be used in the analysis or research itself. Mr. Dennis' video is an instrument that can be found on Instagram.

**2. Interview Guidelines**

The interview guide was used to support observations in the classroom and will use as a tool for evaluation and reflection on the teaching and learning process of vocabulary mastery through Mr. Dennis' videos on Instagram.

Table 3.1 these questions guided the researcher to interview the English

teacher as the interview guidelines

| No | Questions | Answer |
|----|-----------|--------|
| 1 | What is your opinion about vocabulary lesson using Mr. Dennis' video on instagram? | |
| 2 | What is the condition of students' during learning vocabulary by using Mr. Dennis' video on instagram? | |
| 3 | How is the students' vocabulary mastery after watching Mr. Dennis' video on instagram? | |
| 4 | How is the teaching and learning activity in learning vocabulary by using Mr. Dennis' video on instagram? | |
| 5 | How does students' participation when learning vocabulary by using Mr. Dennis' video on instagram? | |

### 3. Observation Check List

In compiling the observation checklist, the researcher made a list of some student behaviors that could be observed and showed their understanding of the material that had been taught after being seen by the lecturer from the activities and responses of students during the teaching and learning process.

Table 3.2 observation sheet of students' activity

| No | Activity of Students' | Frequency | Percentage |
|----|----------------------|-----------|------------|
| 1  | Responding to the teacher | | |
| 2  | Answer question | | |
| 3  | Doing assignment | | |
| 4  | Fiil the attendance class in the whatsapp group | | |

### 4. Tests

The researcher uses multiple choice test related to vocabulary that will be given about 90 minutes. The tests consist of multiple choice, for the question grid is for multiple choice such as gaps sentence, part of speech, guess the picture, present perfect tense, preposition, congratulations and relative clause.

## D. Data Collecting Technique

In this study, the researcher used three instruments in collecting all the data are documentations, interviews, observation, and tests.

### 1. Documentations

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or others so Mr. Dennis' video is an instrument that can be found on Instagram. In this study, Mr. Dennis' video is part of the documentation.

2. **Interview**

The researcher will interview the English teacher before and after doing the classroom action research. After that, the data is used to determine the progress of vocabulary skills. For students' vocabulary skills by watching and observing Mr. Dennis' videos on Instagram.

3. **Observation**

Observations in this study were used to monitor student activities during the teaching and learning process. Furthermore, the researcher observed the situation in the classroom during the learning process there are responding to the teacher, answer the question, doing an assignment, and giving an opinion.

4. **Testing**

For data collection in the form of a test consisting of a pre-test and post-test. The pre-test is conducted before taking the action while the post-test is conducted after taking the action. Researcher will use tests to require students activity to be use as an assessment.

a. Pre-test

Pre-test is important in this research. The aim is to know the students basic knowledge. the test will be given about 90 minutes. The tests consist of multiple choice, for the question grid is for multiple choice such as gaps sentence, part of speech, guess the picture, present perfect tense, preposition, congratulations and relative clause. After that, the researchers and raters assessed the students' vocabulary after watching Mr. Dennis' video on Instagram as a media to increase their vocabulary.

b. Post-test

Post-test is conducted after taking the action in each cycle by using watching Mr. Dennis' on Instagram. In the post-test same question and also same question grid with the pre-test.

## E. Technique of Data Analysis

After the researcher collecting the data, next the researcher analyzed the data. In analyzing data, the researcher gets data from documentation, interviews, observations of the teaching and learning process, and student test results. In processing the data, the researcher used descriptive analysis. It aims to explain the conditions in improving the achievement of indicators in each cycle, and also to describe the success of the teaching and learning process using videos on Instagram to improve students' vocabulary skills. After that, the observed data are grouped based on student behavior and student responses which can be used as instructions or indicators of student activity when this technique is introduced. The research can be said to be successful if 75% of students have good participation during the learning process, for example, they follow the lesson well, develop their ideas in vocabulary learning and give a good response to the teacher. In addition, this research is successful if students can improve their vocabulary scores especially in watching Mr. Dennis' videos on Instagram. In this study, the criteria for success are determined by the researcher if 75% of students get a score of 70 as the target value to be achieved.

The results of observation is analyzed as below:

$$\frac{The\,total\,number\,of\,activity}{Number\,of\,students} \text{x } 100$$

(Gay, 2012)

To analyze the result, the next researcher will use the simple formula of the percentage of success. The formula is as follow:

$$\frac{Total\ all\ passed\ students}{number\ of\ students} \text{x } 100$$

(Gay, 2012)

In analyzing quantitative data, the researcher tries to accounting a test for pre-test and post-test will use formula as below:

1. The collection data from the students in answering the test, the researcher use formula to get the mean score of the students as follow:

$$X=\frac{\sum X}{N}$$
Where:
X = Mean score
ΣX = The sum of all score
N = Number sample

(Gay, 2012)

2. The researcher tries to get the class percentage which pass the KKM 70. Computing the frequency and the percentage of students score of the students as follow:

$$P=\frac{F}{N} X\ 100\%$$
Where:
P = Percentage
F = Number of correct answer
N = The total number of subject

(Gay, 2012)

3. Classification score evaluation.

Table 3.3 classification of the students' achievement

| No | Classification | Score |
|----|----------------|-------|
| 1 | Excellent | 96-100 |
| 2 | Very good | 86-95 |
| 3 | Good | 76-85 |
| 4 | Fairly good | 66-75 |
| 5 | Fair | 56-65 |
| 6 | Poor | 46-55 |
| 7 | Very poor | 0-45 |

(Gay, 2012)

Researchers get a score on one cycle carried out in the study. then the mean score of the pre-test will be compared with the average of the first cycle and the next cycle. It aims to determine the extent of student progress in the teaching and learning process. The researcher also uses a formula to find the final score based on the criteria for a score of 70 from the target score.