CHAPTER III

RESEARCH METHOD

This chapter presents significant aspects used in collecting the data and some of the research procedures, including Research Design, Research Subject, Data Collection, Technique and Instruments, Research Procedure, and Data Analysis.

3.1 Research Design

Research design is the way to process and collect data for research purposes then the researcher can accumulate accurate research results and achieve research objectives. In this study, the researcher used a descriptive qualitative approach for collecting and processing the data. According to (Aspers & Corte, 2019) Qualitative research is an iterative process in which the scientific community acquires greater understanding by making new meaningful distinctions as a result of getting closer to the subject being studied. By using this research design, the researcher intends to discover information on students' perception and view about the influence of Instagram as a medium to improve English vocabulary in MA Muhammadiyah 1 Malang.

3.2 Research Subject

The participants were the students of MA Muhammadiyah 1 Malang. The researcher chose 3 classes of

class X and XI which consists of 82 students, 42 females, and 40 males around 16-17 years old to investigate students' perception of using Instagram as a medium to improve their vocabulary competence by using questionnaires and interviews. The researcher chose class X to investigate different perceptions about the use of Instagram among the students of each class. Moreover, 5 selected students from each class will be the participants to be interviewed by the researcher. It is focused on in-depth students' views andperceptions towards the influence of Instagram as media to improve their vocabulary competence.

3.3 Data Collection

Data collection is a method taken by the researcher to collect information or facts obtained by measurement and observation. As a qualitative study, the researcher used a questionnaire and interview to collect data to discover students' perceptions of using Instagram as a medium to improve vocabulary competence. The 2 steps of data collection taken by the researcher:

1. The questionnaire was designed using Google Forms and then distributed to the participants via WhatsApp Group. WhatsApp is easier to use and more familiar for Indonesian people since it facilitates the researcher to deliver the information related to the data collection procedure and

students to collect information directly from the researcher via the group in real-time. In this section, the researcher asks the students to fulfill the questionnaire through the link sent by the researcher on WhatsApp Group.

2. The interviews were conducted with 5 selected respondents to discover their perception of using Instagram for vocabulary learning. The interview section will be conducted using "Bahasa" to simplify the respondents to convey the idea.

3.3.1 Technique and Instrument

In this section, the researcher used questionnaires and interviews to collect data and information from the respondents. Additionally, Instrument validation is a series of activities carried out in accordance with a predetermined protocol to ensure that an instrument satisfies the desired quality criteria. This involves maintaining documentation of the validation outcomes. Validation is required for a wide range of things, from tangible items such as equipment and instruments to intangibles such as operating procedures and manufacturing process steps, because all equipment, instruments, and operating procedures used to ensure the expected product quality must be checked on a regular basis to

identify any problems.

A. Questionnaire

A questionnaire is a set of questions provided to people in order to acquire statistically significant information about a specific issue. When prepared and delivered properly, questionnaires can be used to build statements about individual, specific groups or entire populations (Roopa & Rani, 2012). The researcher used a purposive sampling technique to collect the data in this research. In this way, the researcher will divide questionnaires into several WhatsApp Groups from each class. The questions contained are adapted from (Nur & Zalzabilah, 2022). Additionally, the researcher used close-ended questions to find out the accuracy of students' perceptions by using a questionnaire in the form of a Likert- Scart format that provided 5 answer options, contains: Strongly Agree, Agree, Doubtful, Disagree, Strongly Disagree.

Table 1. Table of questionnaire adapted from (Nur & Zalzabilah, 2022)

Statements	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1. Instagram is an application that is often used by the younger generation					
2. Instagram helps to discover new or unfamiliar vocabulary					
3. Instagram makes learning English more enjoyable and less boring					
4. The content presented by English accounts on Instagram is very interesting for improving vocabulary acquisition					
5. learning English through reel videos of English accounts is very interesting and easier to understand to improve vocabulary acquisition than learning through books					
6. Learning English using an Instagram filter on IG story helps to improve English vocabulary acquisition					

7. Instagram can be an alternative medium for learning English and improving vocabulary competence					
8. Attractive visuals presented by Instagram increase students' motivation in English learning					
9. Instagram is suitable to be used as a learning medium for learning English					
10. Learning method using the Instagram application is convenient to access and use for vocabulary learning					

B. Interview

The interview is one of the most widely used for data collection in social research. The interview is a sequence of questions crafted and asked by the researcher to the respondents in order to obtain comparable information from a number of subjects. In this way, the researcher focuses on the individual experiences, understanding, and perceptions of the respondents. Moreover, the researcher will choose 5 students to be interviewed directly with a few questions related to the student's perception and experience toward Instagram as a medium to learn English vocabulary. In this research, the researcher used a semi-structured interview for datacollection. The semi-structured interview is often used in

qualitative research. The semi-structured interview is an interactive exchange of discussion (between two or more people, in person or otherwise). A topic centered, thematical, biographical, or narrative strategy in which the researcher has topics, themes, or concerns to investigate, but the organization is flexible and fluid (Edwards & Holland, 2013).

TABLE 2
INTERVIEW QUESTION GUIDELINE

No	Question
1.	How do you use Instagram to improve your vocabulary?
2.	Do you follow specific accounts or communities on Instagram that help you learn new words?
3.	How do comments and interactions with other users on Instagram help you understand and use new words?
4.	Are there any features or tools on Instagram that you find particularly helpful in developing your vocabulary?
5.	What difficulties do you face when using Instagram as a medium for learning English?

3.4 Research Procedure

This study explains in depth the student's perception of using Instagram as a medium to develop vocabulary in MA Muhammadiyah 1 Malang. Therefore, the researcher uses a questionnaire as the instrument of the research method to obtain the data. Moreover, conducting semi-structured interviews as the second instrument of the research method. The procedure is conducted as follows: Creating questions for the questionnaire and interviews' substance.

1. Hand out questionnaires to students.

2. Conducting interviews with a select number of students.

3. Analyzing and interpreting the results of student questionnaires and interviews.

3.5 Data Analysis

At this point, the researcher converts the obtained data into meaningfuland understandable information. As a result, the researcher used the following procedure to analyze the data:

1. Sort the collected data into categories based on the research objectives.

2. Arrange the data in accordance with the results of the questionnaires and student interviews.

3. Write the findings that have been obtained after analyzing the completedataset.