

CHAPTER III

RESEARCH METHOD

The phases of performing the research are described in Chapter III. The researcher should describe the research's design and methodology in this section, as well as how the data will be collected and analyzed and its limitations. What's in Chapter III is as follows:

3.1 RESEARCH DESIGN

The survey research methodology was applied in this investigation. The researcher employed survey research in this study. Survey research is the process of collecting information from a sample of individuals by asking them questions (Check & Schutt, 2012, p. 160). This type of study allows for the use of a wide range of participant recruiting, data gathering, and instrumentation procedures. Quantitative research methods (such as using numerical ratings on survey items) and qualitative research methods (such as using open-ended questions) can both be used in survey research, or both (i.e., mixed methods). Because they are commonly used to describe and analyze human behavior, surveys are widely employed in social and psychological research (Singleton & Straits, 2009).

Data collection surveys collect information from all students. The data that has been obtained is analyzed one by one through the Voyant Tools application with the aim of whether the average student's vocabulary has reached the target or not. If it has not reached the target, the student will write again until they meet the target that has been determined based on Paul Nation's theory, namely by averaging average 15-20 words

Survey research included the collection of massive amounts of population-based data. The main goal of this kind of survey study was to swiftly compile data on the characteristics of a sizable sample of intriguing individuals. These often handed-out questionnaires were designed to gather information for services or commodities for a community or group by summarizing demographic data about people or by soliciting opinions. Students college from the University of Muhammadiyah in Malang took part

3.2 RESEARCH OBJECT

This study took place at SMPN 13 Malang in the 2021/2022 academic year, located at Sunan Ampel II street, Dinoyo, Lowokwaru, Malang City. The researcher chose SMPN 13 Malang to conduct the current research because the researcher found problems in learning English while doing an internship at this school. During the internship, the researcher paid attention to the students and found that the students had problems with writing performance and interest in learning English.

The researcher chose the sample and population of 9th grade student Junior High School 13 Malang, especially students of class IX B, totaling 31 students as the subject used. Evaluated by the researcher as he observed the students, noting their experiences related to the study and the results of data collection.

3.3 RESEARCH PARTICIPANTS

In this study, the researcher uses research subjects from class of 9th grade student at Junior High School 13 Malang, for the academic year 2021/2022, which is located in located at Sunan Ampel II street, Dinoyo, Lowokwaru, Malang City. SMPN 13 Malang has 27 classes with a total of 1078 students. Each class is filled with girls and boys who have different abilities. Not all students in the class have the same ability in English subjects.

In this study, the researcher chose class IX B of SMPN 13 Malang as the research subject, because students in that class still had difficulties in Writing English. Class IX B has 31 students with 14 male students and 17 female students. After consulting with the English teacher in the class, it turns out that there are still many students from class IX B who have difficulty writing English. Therefore, the researcher agreed to choose class IX B. Researchers help students in the class to improve students English skills, especially writing skills. Providing interesting and fun learning materials is expected to improve students' writing skills. One of the media that the researcher uses to help improve students' writing skills is to use application of voyant tools.

The sample and class population chosen by the researcher was 31 students. Researchers observe selected participants to evaluate the experiences they gain during the research as well as the results.

3.4 DATA ANALYSIS

Data from each cycle is processed by calculating student test results. In addition, the researcher made observations at each meeting. The results of the observation and test data carried out by the researcher are analyzed. If there is an increase in test results, performance, and students' attitudes, then Voyant Tools successfully improves students' learning ability to writing english.

Readers comprehend more than 90% of what they read when sentences comprise an average of 14 words, according to studies from the American Press Institute. The understanding rate declines to just 10% at 43 words. Users must read slowly and concentrate more intently to grasp long, complex texts.