

CHAPTER I

INTRODUCTION

This chapter discusses about the background of the research, the problem of the research, the purpose of the research, the operational definition, and the scope and limitations of the research.

1.1 Background

The development of technology has an impact on humans' lives, including in the area of education. Artificial Intelligence (AI) is the product of the new set of technological attitudes, skills, and competencies that can be utilized by individuals effectively, ethically, and responsibly in life (Zoe et al., 2022, p. 39). Therefore, Artificial Intelligence (AI) is continuously improving for users. It is because the development of technology facilitates the teacher and the student to access teaching-learning material. Among the AI, there is *Wordwall*.

Wordwall is one of the models of Artificial Intelligence. *Wordwall* facilitates the teaching-learning process. According to Cronsberry (2004, p. 3) in Sawitri et al. (2019, p. 44) *Wordwall* is an interactive display such as a chart, bulletin board, or another exhibition medium. These are continually referred to in every teaching-learning activity. Thus, *Wordwall* can help students to have good writing.

Writing is one of the language skills which should be learned by English learners. Writing is an essential skill for students to have (Selvaraj & Aziz, 2019, p. 452). In school, students start learning writing from the basics. They start

writing from the word, sentence, paragraph, and text. In Senior High School, there is an expectation that they can write a text. Many kinds of text for students have learned in Senior High School. They are descriptions, expositions, procedures, narratives, etc. However, to write a text, students face problems. In school life, there is a reality that many students face difficulties in writing, especially in finding ideas (Amyatun & Kholis, 2023, p. 136). Others, several problems that faced them during writing are lack of vocabulary, incorrect grammar, the misuse of prepositions, and inconsistent tenses. So, there is a need for tool to make students better to help them complete their writing.

One of alternative solution to solve the problem faced by students is use of Artificial Intelligence (AI). Artificial Intelligence (AI) can support students in writing skills besides from the teacher. It also supports the previous researcher that doing research and looking for what makes students able to write clearly. The researcher finds that the use of *Wordwall* may help students to solve the problem and improve their writing skills (Imran & Almusharraf, 2023, p. 3). *Wordwall* impacts to one of the skills that students must have, which is creative writing skills.

The previous research about *Wordwall* focuses on the analyses of the use of *Wordwall* that gives impact to the writing skills by students in Junior High School. Meanwhile, this present study measures how far the effect of *Wordwall* on the quality of students' writing skills. It is also the aim of this research. The writer decided to conduct this study focusing on students in Senior High School because she will explain more deeply, what is the effect of *Wordwall* to the quality of students' writing skills. The method of this present study uses a quantitative

approach with ex-post facto design. The writer did not manipulate the independent variable and the dependent variable. Therefore, it is a limitation of this study.

1.2 Research Questions

Based on the background of the study described above, the researcher raises a research question, as follows “Is there any significant difference between the students’ English writing skills who learn by using *Wordwall* then those who learn by using a textbook?”

1.3 Research Objectives

The research objective is to find out if there is any significant difference between the students’ English writing skills who learn by using *Wordwall* then those who learn by using a textbook.

1.4 Operational Definition

The operational definition explains about the concept and the variable of the research or as known as the key term that used in the research. The operational definition that needs to be explained here is;

1.4.1 *Wordwall*

Wordwall is a media or learning resource for teaching-learning-based digital gamification applications that provide a variety of game and quiz features for the teacher to utilize in delivering the material. *Wordwall* provides pictures, audio, animation, and interactive games to make students more interested in the teaching-learning process.

1.4.2 Writing Skills

Writing skills are the ability to express ideas in a way that is clear and understandable to readers, using ideas, experiences, or experiences. In this study, the students made a narrative text. Narrative text is types of chronological story that tells past events or imaginative stories. Fractured fairy tales are one kind of narrative text. Fractured fairy tales are rewritten or retelling stories as a foundation for something new story. In fractured narrative text is all about the “what ifs” of the story, exploring new angles, new points of view, characters, setting, and ending from the narrative story become new one. Therefore, the narrative text writing skills in this study means that the writing skills will be measured. The students write their story of The Turtle and The Rabbit based on their imagination in fractured narrative text.

1.5 Significance of Study

The significance of the study explains why the research is needed. This part explains theoretical and practical significance.

1.5.1 Theoretical Significance

The result of this study is that the use of *Wordwall* have significant difference between the students' English writing skills who learn by using *Wordwall* then those who learn by using a textbook.

1.5.2 Practical Significance

The result of this study can be used as a reference for the next research to develop more deeply studies about the use of *Wordwall* on the quality of students' writing skills.

1.6 Scope and Limitation of the Research

The scope of this research is to know the quality of students' writing skills using *Wordwall* in X-grade at Senior High School 4 and Senior High School 5 Jember in the 2023-2024 academic year. This research conducts in March 2024. This research used ex-post facto design because the writer did not manipulate the data. The writer proved the cause-effect theory of the variables, which used *Wordwall* as the independent variable and students' writing skills as the dependent variable.

