

CHAPTER I

INTRODUCTION

A. Background of Study

In this fast-paced world of ours, there is an increasing need for good English writing skills. English has become an important international language in many fields, including education, business and global communication. However, many individuals have difficulty in mastering the ability to write English proficiency.

Writing is a language skill used for indirect communication because it is a productive and expressive activity. Writing ability is not a skill that can be acquired alone, but as the most difficult skill, it must go through a process of learning and practice (Brown 2001). Alwasilah (2005) also stated that there are several reasons for this such as: 1) inability to control the problem, 2) inability to write, 3) inability to write. This means that these three things cause students to stop writing.

Because of the importance of writing, Allah said in Surah Al-Qamar verse 53 as follows:

وَكُلُّ شَيْءٍ صَغِيرٍ وَكَبِيرٍ مُسْتَطَرٌّ

This verse emphasizes that everything, no matter how great or small, has been penned by Allah, indicating the significance of writing in our lives. Through writing, we can acquire language skills necessary for

interpersonal communication. Since he produces a multitude of languages for various social groupings around the world, all languages serve the same function of facilitating social contact.

The way we study and communicate has changed significantly in this digital age due to technological use. The field of Artificial Intelligence in Education (AIED) has advanced significantly over the past 25 years, according to Ido Roll et al. (2016). Artificial intelligence is one field of technology that is expanding quickly (AI). With the application of AI algorithms and approaches in website building, English writing skills can be enhanced.

Artificial intelligence (AI), according to Kathikeyan et al. (2022), is the capacity of robots to carry out operations that normally require human intelligence, such as speech recognition, visual perception, decision-making, and language translation.

Applying artificial intelligence (AI) to education can improve students' English language proficiency. AI can be utilized to improve English language proficiency, translation, assessment, recognition, attitude, and satisfaction, according to several research. Students' English proficiency can be raised by using AI-based systems, including websites, apps, and virtual reality technologies (Dewi, et al 2021).

One effective instrument that has been utilized in education is artificial intelligence. Numerous analysis research on the pedagogy of

artificial intelligence are planned. Computer science is helping to advance education in more ways than one. Instructors will use artificial intelligence technology to automatically assess the teaching approach. Furthermore, it appears that incorporating artificial intelligence technology into pedagogy has improved it (H. Yi, 2021).

In educational process, writing can be a challenging task for many students, and there are several difficulties that they may face. Some common difficulties that students face in writing include:

1. Lack of ideas or difficulty in generating ideas
2. Difficulty in organizing their thoughts and ideas
3. Poor grammar and spelling skills
4. Inability to write coherently and logically
5. Difficulty in understanding the writing task or prompt
6. Lack of motivation or interest in the topic
7. Time management issues

To overcome these difficulties, students can try various AI technology that exists today to help students in the writing process, such as finding writing ideas, writing topics, and helping students find reliable sources.

The use of artificial intelligence in improving English writing skills through websites has several important advantages. First, AI-based websites can provide quick and accurate feedback on users' English

writing. With the auto-correction feature, users can correct grammar, spelling, and writing style errors more effectively.

Secondly, AI-based websites can also provide writing suggestions and recommendations that help users develop their English writing skills. AI algorithms can analyze user texts and provide specific tips or guidelines to improve the structure, clarity, and richness of words in writing.

In addition, the use of artificial intelligence in improving English writing skills through websites can also provide wider access to individuals who want to improve their writing skills. With an AI-based website, individuals can learn and practice English writing anytime and anywhere.

Thus, the use of artificial intelligence in improving English writing skills through websites has great potential to help individuals improve their writing skills in an effective, efficient, and affordable way. This research will analyze several existing AI-based websites that can help in English writing.

Previous studies have shown that AI has the potential to improve language learning, but there is still a lack of research on AI websites that can help English language learning in college. Therefore, this study aims to fill the research gap and explore various effective AI websites for university students, especially students who are working on their final project.

B. Definition Of Key Terms

To avoid misinterpretation of title, researcher explains the following crucial concepts are defined in this study:

1. Artificial intelligence

Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think and act like humans.

2. Website

Website is a collection of web pages and related content that is identified by a common domain name and published on at least one web server. Websites can be accessed through a public Internet Protocol (IP) network, such as the Internet, or a private local area network (LAN), by using a uniform resource locator (URL) that identifies the site. Websites can be used for a variety of purposes, such as providing information, selling products or services, or facilitating communication and collaboration.

3. Writing Process

The writing process refers to the series of steps and cognitive activities that writers go through while composing a piece of writing.

4. Artificial Intelligence in Writing

Artificial intelligence (AI) in writing refers to the use of AI technologies to assist in the writing process. These technologies, can

generate text, answer questions, and even help in drafting academic papers.

C. Research Question

According to the background of this study, the research question of this research is:

What are artificial intelligence-powered websites that can be used on Writing Process?

D. Objective of Study

Based on the research question, the researcher will focus on discussing several points as follows:

To describe artificial intelligence-powered websites that can be used on Writing Process.

E. Significance of Study

In theory, this research provides benefits for teachers and students in college English learning. Teachers can utilize artificial intelligence (AI) technology to improve their teaching effectiveness. This research also provides a better understanding of the potential use of artificial intelligence (AI) that facilitates English learning among college students.

This research is expected to benefit every single person who work in the field of education, especially those who acknowledge the significance of artificial intelligence in writing process. These benefits, such as:

1. For the learner

This research will be very useful for learners who want to improve their English writing efficiency with artificial intelligence-powered websites.

2. For the teacher

This research will certainly be very helpful for educators who wish to create innovative learning resources. With AI tools, lecturers can provide more personalized and interactive learning, and can access more up-to-date learning resources. In addition, lecturer can also use AI tools to monitor student learning progress and provide more targeted feedback.

3. For researchers

This research is expected to be used as a reference for researchers who want to research about artificial intelligence. Researchers can contribute to the development and application of artificial intelligence (AI) technology in education. By conducting this research, researchers can explore the potential and benefits of Artificial Intelligence on writing process.