

CHAPTER I

INTRODUCTION

1.1 Background of the Study

People in the 21st century live in a technological and media-rich environment where they have easy access to a wealth of knowledge, quickly evolving technological tools, and the ability to collaborate. Technological developments provide many broad sources of information and communication, people must be able to create, evaluate, and utilize effectively the information media and technology. It because all the aspects of human life are related to technology, such as economics, health, and education.

The rapid development of technology cannot be avoided, especially in the world of education. The global demands of the world of education always adjust to technological developments. It can be a form of the effort to improve the quality of education, especially in the learning process. Our language education pedagogy has changed drastically as a result of the rapid advancement of technology. It could be crucial things to be noted by educators, curriculum designers, and academics. Therefore, according to Floris (2014) they need to figure out how to use technology in some capacity to support and improve language learning.

As stated in Permendiknas No. 16 of 2007, one of the teacher's core competencies is that the teachers have to use technology and communication for learning process. In the process of learning, technology can make it easier for teachers to convey material that is abstract in nature so that learning can be easily understood by students. In Permendikbud No. 22 of 2016, it is stated that the use of information, communication, and technology which is the principle of learning that must be applied by the teacher in the classroom to improve the efficiency and effectiveness of learning

In respond to that matter, artificial intelligence (AI) is a product of technology which is an important part of the development of education. In the field of education, AI has great potential

to enhance student learning experiences and improve learning outcomes. Furthermore, by using AI students will be able to access information easily without any limitations. AI can complete difficult tasks in a short time and faster than humans, stressful and complex jobs can be completed efficiently. Some various functions of AI can be performed at the same time. For example, AI helps students in doing assignments in the form of writing. It because students only enter the keywords then it will be processed into a written work. Another point of view also mention that the success ratio is high, more fewer mistakes in tasks, takes up less space, size with long term and complex situation calculations. (Khanzode & Sarode 2020)

Writing is a non-linear process. Sometimes it makes students difficult in the writing process because there are many stages that student should conduct. It involves pre-writing activities like drafting and brainstorming, followed by writing activities, and post-writing activities like editing and revision. In conducting writing process students may refer back to earlier steps while they write particularly editing.

One of the examples of writing types is academic writing. Academic writing is an activity of writing relate to the academic subject and mostly conducted by the students at school or in a university. At a university level, academic writing is an important skill to master since written assignments will be the major activities followed by college students. It is a complex and challenging activity for most of students. Badi (2015) argued that Academic writing is not an easy skill to be achieved, especially in a foreign language.

Writing a research or thesis is part of academic writing. It involves an appropriate topic, sources of the information, methodology, etc. According to Abrar., et al (2023) stated that academic writing is a formal, rigid, objective, and well-structured writing which focuses only on a specific field and/or an academic category .It is a must for mostly university students to complete the study especially the English major students. A thesis is a kind of writing that consists of arguments and evidence to support the writing. For English major students, besides

the idea of the writing, thesis writing also has to be focus on diction and grammatical rule. Finally, the students have to present what they have written in front of some lecturers (as the examiners and supervisors) in English.

With current technological developments everyone is very familiar with technology. This is unavoidable for the students who are in the z generation, they often interact with technology. Therefore, using technology in learning process is one of the best ways to learn English for the students in terms of writing. AI is one of the products that can make it easier. According to Ayala-Pazmiño (2023), AI has the potential to transform education by providing fresh approaches to improve individualized instruction, enhancing evaluations, and cutting down on teachers' planning time.

However, According to Smith, J. (2022) stated that even while AI is capable of giving immediate feedback on grammar and vocabulary, it could have be in trouble for subtleties of idioms, cultural references, and proper use. Due to this restriction, learners may not completely comprehend the context in which particular words or phrases are used, which result might be misunderstanding. Furthermore, the rapid progress of information technology (Artificial Intelligence) must be accompanied by the ability of the users. The ability to use technology must be qualified so that they can use technology properly. More than that, the attitude of AI users must be wise, especially in the aspects of education. By using the AI students must be able to interpret the idea wisely.

Based on the description that already explained earlier, the researcher think of the need a study that can measure students digital literacy level, attitude in using artificial intelligence. Not only that, the researcher also wants to investigate the correlation between students' literacy level and attitude toward the use of artificial intelligence in writing thesis.

1.2 Research Questions

According to the problem of the present study, researcher formulates the problems of the study as follows:

1. What is English students' literacy level in using artificial intelligence?
2. What is English students' attitude level toward the use of Artificial Intelligence in writing thesis?
3. Is there any correlation between students' literacy and attitude toward Thesis writing?
4. How do English Students' use the Artificial Intelligence in Writing Thesis?

1.3 Objectives of the research

In response to the problems of the present study, there are several objectives will raise as follows:

1. To find out the literacy level of students in English Study Program Universitas Jambi in using Artificial Intelligence
2. To investigate the attitude of Students in English Study Program using Artificial Intelligence in writing thesis
3. To investigate the correlation between students' literacy and attitude toward thesis writing.
4. To investigate the use of artificial Intelligence in writing thesis

1.4 Significance of the research

After conducting this research, the researcher hopes that the results of this study can be empowered as a means of information related to educational knowledge in the field of English language education. Therefore, the researcher hopes that this research can be theoretically and practically useful for the readers. It also clarifies students in English department needs to master

technology since they are studying at the University wisely. helping them easily using the media for their future

1.5 Limitation of the research

In order to avoid bias in this study, the researcher limited the number of subjects in this study. The researcher limits the present study to undergraduate students of English study program Universitas Jambi 2022/2023. This study aims to explore students' literacy and attitude in using AI in Writing Thesis and also to investigate the implementation of AI in Writing Thesis.

1.6 Definition of Key terms

1.6.1 Literacy

literacy is the skills to read, write, and understand information. It also means being able to critically interact with different kinds of communication. This research Literacy means is skills to use artificial intelligence.

1.6.2 Attitude

Attitude refers to an individual's overall evaluation or feelings toward a particular object, person, group, idea, or situation. It reflects a person's predisposition to respond positively, negatively, or neutrally based on their perceptions,

1.6.3 Artificial Intelligence

Artificial intelligence is a machine that made by human, think like human. and help and facilitate humans in doing their daily work. In the world of education artificial intelligence as a tool to facilitate the learning and teaching process.