CHAPTER I
INTRODUCTION

In this chapter, the researcher discusses the background of the study, the statement of the problem, the purpose of the study, the significance of the study, the scope and limitation, and the definition of the key terms.

1.1 Background of the study

Paraphrasing is the activity of restating a sentence with different word while retaining the same meaning. Rogerson & McCarthy, 2017 state paraphrasing enables the conveyance of the same concept using varied wording, tailored to suit the target audience. Paraphrasing involves modifying word selections, reorganizing information, adjusting both grammatical and sentence structures, all while maintaining the entirety of the original meaning (Gadag & Sagar, 2016). Effective paraphrasing requires not only a deep understanding of the original text but also the ability to express its meaning in a clear and concise way. It also involves careful attention to details such as grammar, syntax, and tone, to ensure that the paraphrased text is accurate and appropriate for the intended audience. Whether you're writing an essay, a research paper, or a business report, the ability to paraphrase effectively is a valuable tool that can enhance your writing and help you communicate your ideas more effectively.

In order to paraphrase well, students in the 21 century can no longer only rely on books, technology plays a significant role in their writing process. With the availability of numerous online tools, the process of paraphrasing has become much more convenient and efficient. Various paraphrasing tools utilize advanced algorithms and natural language processing techniques to identify and replace words, phrases, or sentences with synonyms, without changing the original meaning. There are many AI (Artificial Intelligence) programs that can be used in paraphrasing such as Quillbot, Grammarly, and ChatGPT.

Quillbot is an online platform designed to help students improve their writing skills. It offers a range of interactive writing activities that are designed to be engaging and easy to use. The platform uses AI technology to provide real-time feedback on student writing, helping to identify and correct common errors in grammar, spelling, and punctuation. Beside that, grammarly is a popular online platform that helps users to improve their writing skills. The platform uses AI technology to provide real-time feedback on grammar, spelling, punctuation, and style in written content. It can be used as a browser extension, a desktop application, or a mobile app, making it easily accessible for users. One of technology that can greatly assist in the learning and teaching process, is ChatGPT.

ChatGPT is an automated tool that creates written responses based on written prompts by utilizing advanced language models. As Rudolph et al., 2023 said in his journal ChatGPT stands as the most advanced chatbot in the world so far. This chatbot stands out from others because it can generate remarkable written content in just a few seconds. Its capabilities have led to a lot of excitement and concerns, particularly with regards to its potential use for evaluating students in higher education and various other matters. ChatGPT plays a significant role in boosting student productivity within higher education by furnishing valuable information and resources, refining language abilities, fostering collaboration, and ultimately enhancing time management and effectiveness (Fauzi et.al, 2023).The developer of ChatGPT, OpenAI, has made the tool accessible through a web portal, where users can obtain the program's text-generating services at no cost (Throp, 2023).

This tool has the ability to generate plots that are both realistic and unexpected, capture the distinctive writing style and themes of an author with minimal text, explore different forms of writing, work across various genres, and demonstrate a nuanced understanding of various topics. ChatGPT is logically constructed, grammatically sound and quite precise. The language used is easy to understand, which makes it suitable for the general public or individuals who are not experts in the field. The software used for creating the web is fast and efficient, capable of generating 500 words in less than two minutes.

The study above focused on theoretical aspects. In terms of empirical research, there are several researchers who have studied ChatGPT, such as Alshater (2022), Aydin & Karaarslan (2022), and Kumar (2023). Research conducted by Alshater, (2022) examined The Role of Artificial Intelligence in Enhancing Academin Performance: A Case Study of ChatGPT. This study is significant in three ways: firstly, it represents the inaugural attempt to investigate the direct influence of an NLP chatbot, namely ChatGPT, within the academic field. Secondly, it presents evidence of the capacity of AI and NLP, particularly ChatGPT, to enhance research in various fields, especially in academic research. Thirdly, it underscores both the strengths and potential drawbacks of utilizing ChatGPT. The result of the data showed that ChatGPT has the potential to an innovative tool for academic research. ChatGPT's capacity to produce text that closely resembles human-generated content, interpret and analyze data, and create simulations and scenarios, make it a valuable resource for researchers working across different disciplines.

Another research conducted by Aydin & Karaarslan (2022) presents a literature review on the topic of digital twin in healthcare that was generated by ChatGPT. The research then discusses the potential of AI-assisted literature reviews in the field of healthcare. The literature review generated by ChatGPT discusses various applications of digital twin in healthcare, including its use in disease diagnosis, treatment planning, and drug development. The review also highlights the potential of digital twin to improve patient outcomes and reduce healthcare costs. The result showed that ChatGPT could ultimately help to improve the efficiency and quality of healthcare research, benefitting both healthcare providers and patients.

Reseach conducted by Kumar (2023) explores the potential of the ChatGPT tool, an artificial intelligence language model, for use in academic writing in the biomedical domain. The study involved analyzing the output of ChatGPT for various writing tasks related to the biomedical domain, such as summarizing research articles, generating abstracts, and answering questions related to biomedical topics. The results showed that ChatGPT was able to generate high-quality content that was accurate and relevant for most of the writing tasks analyzed.

The study also found that ChatGPT had some limitations, such as the occasional production of incomplete or irrelevant content. The research concludes that ChatGPT can be used to train students about academic writing, while emphasizing the limitations of it.

The researcher focused this study on the use of ChatGPT for paraphrasing in writing class. This research was distinct from three prior studies, which explained widely about the use of ChatGPT for academic writing and literature reviews. However, in this research, the focus was on exploring and recognizing how ChatGPT could be utilized for paraphrasing in writing class.

1.2 Research Problem

1. What is the use of ChatGPT as paraphrasing tool in thesis writing class?
2. What is the benefits of using ChatGPT as a paraphrasing tool in thesis writing class?

1.3 Research Objectives

1. To understand the use of ChatGPT for paraphrasing in thesis writing class.
2. To know the benefits of Using ChatGPT for paraphrasing in thesis Writing Class.

1.4 Scope and limitation

The scope of this study is the sixth-semester students in thesis writing class B of English Language Education Department (ELED) at university of Muhammadiyah Malang year 2023. Meanwhile, the limitation of this study was focused on the use of ChatGPT for paraphrasing their thesis.

1.5 Research Significant

Theoretically, this study may contribute to the improvement of current theories or the creation of new theoretical frameworks related to the application of ChatGPT as a tool for paraphrasing.

Practically, the research on the use of ChatGPT as a paraphrasing tool has the potential to enhance its efficiency and effectiveness, while also opening up new possibilities for students to improve their writing skills.

1.6 Definition of key terms

1. Chatgpt

ChatGPT is an AI chatbot created by OpenAI that has the capability to fulfill diverse text-based requests, ranging from basic inquiries to more complex assignments. (Lund & Wang, 2023)

2. Paraphrasing

paraphrasing refers to the utilization of distinct vocabulary to convey the same message as the original sentences or phrases. (Li et al., 2019)

3. Thesis writing

writing a thesis is a crucial prerequisite for a student to successfully complete their academic program and graduate. (Ballena & Liwag, 2019)