

# CHAPTER I

## INTRODUCTION

### 1.1 Background of Study

English language as a second or foreign language to common profession across the world. English is considered the global lingual, and it is the most widely spoken language globally that must we provide it. Therefore, the demand for English teachers is high, and the profession is often seen as a way to travel and work abroad.

In this current era, Technology plays an increasingly important role in English teaching, providing teachers and students with a wide range of tools and resources to enhance the learning experience. Here are some ways technology can be used in English teaching:

- Interactive whiteboards and projectors: Interactive whiteboards and projectors enable teachers to display digital materials such as videos, audio recordings, and images, making lessons more engaging and dynamic.
- Online learning platforms: Online learning platforms provide access to a variety of resources such as e-books, quizzes, and interactive exercises that can help students practice their English language skills in a fun and interactive way.
- Language learning apps: There are a number of language learning apps available that can help students improve their grammar, vocabulary, and pronunciation. Some popular apps include Duolingo, Babbel, and Rosetta Stone.

As teachers we always faced difficulties while teaching English, and with the emergence of technology, fresh approaches and instruments have been implemented to support the teaching process. Furthermore, technological progress has allowed the development of novel resources and platforms that can enhance the availability and affordability of education. One of these resources is Artificial Intelligence (AI).

The use of Artificial Intelligence (AI) is increasing in different areas, including education. AI is a computer-based field that aims to develop machines

that can perform tasks that typically require human intelligence. By using AI technologies, computers can learn from data, make decisions, and carry out tasks using logic that imitates human thinking. ChatGPT is an example of a chatbot that can be utilized in this regard.

ChatGPT is a natural language generation system that uses millions of example sentences and texts. The system is capable of producing text that appears natural and human-like in the form of answers or responses to questions or inputs from users. By leveraging machine learning and artificial intelligence technology, ChatGPT can learn patterns and structures of human language, thus being able to understand context and generate relevant and informative answers. In this regard, ChatGPT can be an effective solution in various applications that require easier and more efficient human-machine interaction.

Teacher perception on using chat GPT play a crucial role in increasing students' motivation and facilitating the learning process. Effective teaching strategies can create a positive learning environment, engage students in the learning process, and help them develop their English language skills. Different strategies can be used to enhance students' motivation, such as providing positive feedback, using varied instructional approaches, creating opportunities for collaboration and active learning, and setting achievable goals. By applying these strategies, teachers can foster a sense of ownership and responsibility for learning among students, help them stay focused on their goals, and build their goals in their language abilities.

There are several previous studies that discuss ChatGPT as a means of learning English in learning English, such as research conducted by (Iqbal et al., 2022) ChatGPT has the potential to revolutionize education. By allowing machine learning and natural language processing (NLP) algorithms to interact with students in real-time, ChatGPT can provide students with personalized and interactive learning experiences that are tailored specifically for their individual needs. ( Ali et al., 2023) The influence of ChatGPT on improving learning quality (Brown et al., 2020). on the effect of ChatGPT on the learning outcomes of students taking online classes.

A study conducted by (Iqbal et al., 2022) ChatGPT has the potential to revolutionize education. By allowing machine learning and natural language processing (NLP) algorithms to interact with students in real-time, ChatGPT can provide students with personalized and interactive learning experiences that are tailored specifically for their individual needs. This study uses Technology Acceptance Model to explore the attitudes of faculty members towards using ChatGPT. Semistructured interviews with 20 faculty members of a private university in Pakistan were conducted. The responses from the interviews indicate that university faculty are generally cautious in their approach to using ChatGPT. The faculty members had a negative perception and attitude towards using ChatGPT. potential benefits such as ease in lesson planning and assessment were also noted. The results of this study suggest that university faculty need more information and education about ChatGPT in order to make informed decisions about its use.

A study conducted by (Ali et al., 2023) The influence of ChatGPT on improving learning quality. Motivation is a key factor in human behavior, especially in learning foreign languages. Research was conducted to see the effect of ChatGPT on learning English. A total of 80 teachers and students who used ChatGPT for the first time in 2023 provided data. The results show that ChatGPT generally motivates students to improve their reading and writing skills. However, attitudes towards its impact on listening skills are neutral. ChatGPT can be a useful educational tool and further research is needed to explore its potential benefits for other aspects of language and to identify and address any negative impacts. According to several teachers who have used ChatGPT in learning, interacting with this technology can increase student's interest and motivation in learning, especially in difficult subjects. This research shows that this technology can help students feel more confident and enthusiastic about learning. When students can ask questions or seek more information about a particular topic through ChatGPT, they feel more independent and have more control over their learning process. Apart from that, ChatGPT can also provide fast service and accurate feedback so that students can immediately correct mistakes and improve their understanding of the material they have studied.

The last study was conducted by. (Brown et al., 2020) on the effect of

ChatGPT on the learning outcomes of students taking online classes. The purpose of this article is to look at how the use of ChatGPT affects online classroom learning outcomes for students. This experiment is conducted by of student's groups from colleges in the United States. The results showed that using ChatGPT chat significantly improved the learning outcomes of students in online courses. These results have significant ramifications for how chatbot technology is used in online learning. This study was conducted at universities in the United to examine the effectiveness of using ChatGPT to improve student learning outcomes in online courses. The result shows that using ChatGPT has significantly improved students learning outcomes in terms of material mastery, critical thinking skills, and writing skills.

Based on the three previous studies, it can be concluded that there is no research on the perceptions of high school English teachers in Indonesia toward using ChatGPT as a language teaching tool. Therefore, it is important to investigate this topic.

Based on the information provided, it appears that there are similarities and differences between the previous research and the current study. One similarity is that both studies involve the use of ChatGPT. However, the current study focuses on the perceptions of English teachers towards the use of ChatGPT in teaching, while the previous study appears to have investigated the experiences of teacher who used ChatGPT in some capacity.

Therefore, the proposed research for the current study is titled "Teachers' Perception towards ChatGPT in Learning English at SMP Islam Duduksampeyan Gresik.

## **1.2 Research problem**

How is the perception of teachers at SMP Islam Duduksampeyan Gresik towards using ChatGPT?

## **1.3 Research objective**

To find out the teacher's perception toward ChatGPT in Teaching English at SMP Islam Duduksampeyan Gresik.

#### **1.4 Scope and limitation**

This study focuses on the investigation of the perceptions of English teachers at SMP Islam Duduksampeyan Gresik. regarding the use of ChatGPT in their teaching practices.

#### **1.5 Significant of study**

From a theoretical standpoint, this study has the potential to contribute to the development of new theoretical frameworks or refine existing theories in the field of language teaching and learning by exploring the use of ChatGPT. On a practical level, this research on ChatGPT may have the capacity to enhance the efficiency and effectiveness of language education by providing innovative opportunities for language learners to improve their language skills.

#### **1.6 Definition of key term**

In this study, certain definitions are intended to clarify the key term used:

- **A student:** any person who studies, investigates, or examines thoughtfully (Bogoslovskaya et al., 2015)
- **Teachers Perception:** teachers' views on teaching and learning with a focus on professional development. The aim of this study is to better understand teachers' perceptions of professional development needs and impacts as well as the barriers (Badri et al., 2016)
- **ChatGPT:** ChatGPT, a language model developed by OpenAI, has the potential to play a role in public health. With its ability to generate human-like text based on large amounts of data (S. S. Biswas, 2023)
- **Language teaching:** Language teaching theoreticians have long been grappling is the question where to locate second language teaching and learning within social sciences. Is it a science on its own or a sub-branch of linguistics or applied linguistics? Some thirty years ago the answer to this question would be that language teaching is a sub-branch of applied linguistics (AL). Today, even though applied linguistics is not viewed as the sole parent science for language teaching in that applied linguistics, it has a

lot to offer to cover many of the topics that are inherent in the acquisition of second or foreign languages. (Kutay, 2019)

- English Language: The English language is a West Germanic language that originated in early medieval England. It is the primary language of several countries, including the United States, the United Kingdom, Canada, Australia, and New Zealand. English has a rich vocabulary, a relatively simple grammatical structure compared to some other languages, and a significant number of loanwords from other languages. It is widely used as a global lingua franca in business, science, technology, aviation, diplomacy, and entertainment

