CHAPTER II

LITERATUR REVIEW

In this chapter, the researcher would focus on a more detail explanation of theories and concepts so that this research is easier to understand. They include Teaching Media, Teaching as a Foreign Language Teaching (TEFL), and ChatGPT.

2.1 Technology in Teaching

In the twenty-second century, technological advancements and developments have changed the way media is distributed. Today, mass media has penetrated almost every aspect of social life as a result of social conflict, modification, domination, or integration. Mass media is a technology that aims to reach a wide audience. Most of the general public uses mass media as their primary means of communication. Newspapers, magazines, radio, television, and the internet are common platforms for mass media.

The general population usually looks to the mainstream media for news on current events in culture, entertainment, and social issues. According to Mujtaba (2011), "The media is a significant part of society life. The term "mass media" describes a range of worldwide data and information gathering techniques." In the twenty-first century, using digital tools like computers, the internet, and newspapers is the new way to learn. Furthermore, mass media are essential to any growth that makes it possible for the general people to communicate, assess, share, and move information quickly.

The media has played a crucial role in the advancement of education. It has been helpful in persuading the impoverished and socioeconomically disadvantaged segments of society of the value of education. Many media platforms, including newspapers, radio, television, the internet, and so on, have played a significant role in disseminating the idea that, in order to improve their quality of life, people should prioritize developing their basic literacy skills, which include reading, writing, and math. Those who lack education and fail to understand its importance face severe repercussions. Media and technology have a significant role in the development of

education; they are not just used in the classroom; they are widespread and provide equal learning opportunities.

Over time, digital media has emerged as one of the most consumed content formats by people around the world. Digital content has been accepted by the business, education, and entertainment sectors as a welcome change. After the pandemic, the education sector has seen a paradigm shift towards digital media to make up for the lack of effective classroom learning. Since we are now living in a digital era, we are naturally drawn to information that is fast and easy to carry. In such an environment, students are also more attracted to digital content and find it much easier to understand and retain than information taught in a traditional classroom.

As a result, educational institutions are increasingly widely using blended learning to teach digital information in a way that combines the finest aspects of both worlds. Using digital aids in lectures enhances the learning process and helps students retain and comprehend the material better. The learning process has benefited so much from digital education that its future is definitely safe. It benefits parents, businesses, educators, workers, and students (SinghHarjeet, 2023).

2.2 ChatGPT in Teaching

The AI startup OpenAI, situated in San Francisco, California, came up with the concept for ChatGPT (Stokel Walker, 2022). In 2020, the company unveiled GPT-3, a huge language model—a type of artificial intelligence—that creates text by sorting through billions of words of training data and figuring out the connections between words and phrases. Leading an A.I. revolution, GPT-3 is generating philosophical arguments regarding its limitations and a plethora of possible applications, including helping computer programmers and summarizing legal materials. GPT-3 has been improved, and ChatGPT is designed with user interaction in mind. On November 30, 2022, ChatGPT, the most recent iteration of a natural language system, was released (Castelvecchi, 2022).

The OpenAI platform was made available. A non-profit research organization called OpenAI is focused on the advancement and management of artificial intelligence (A.I.). Elon Musk and Sam Altman, two tech entrepreneurs, launched OpenAI. With a

$1 billion endowment, the two company founders and additional investors launched the business in San Francisco, California, in 2015. A non-profit research organization called OpenAI is focused on the advancement and management of artificial intelligence (A.I.).

In recent years, artificial intelligence (AI) has grown quickly, resulting in a wide range of applications across several industries, including healthcare and education. With a lot of data, AI systems can be trained to mimic the functioning of the human brain and do repetitive tasks. AI may help workers in the healthcare industry, for instance, by synthesizing patient records, deciphering diagnostic imaging, and flagging health issues (Aung, Y.Y.M. et al, 2021). Applications of AI have also been used in education to improve academic support and administrative services. Intelligent tuition Systems (ITS), which may be used to mimic one-on-one personal tuition, is one such example. A meta-analysis's findings showed that ITS typically had a somewhat good impact on college students' academic achievement (Steenbergen-Hu, S. Et, al.

OpenAI's ChatGPT, a conversational chatbot that was just developed, might make it simpler for teachers to use AI in the classroom. ChatGPT generates responses to user input that are human-like through the use of natural language processing. Its remarkable ability to provide responses that are well-organized, informative, and logical has drawn attention from all around the world (Zhai, X. 2022). Unexpectedly, ChatGPT was able to pass four different exams at the University of Minnesota Law School. The results show that this AI application can get a university degree, even though its scores were not (yet) particularly good (Choi, J.H., 2023). With 100 million active users as of January 2023, just two months after its inception, ChatGPT has grown to become the fastest-growing user application in history since its release on November 30, 2022.

Despite its popularity, ChatGPT has brought fresh difficulties and risks to the field of education. It can be used to finish written tasks and exams on behalf of students because it can give precise responses to user inquiries, raising worries about AI-assisted cheating. As a result, ChatGPT access is prohibited on campus at certain colleges.

Mhlanga examined the effects of GhatGPT in the realm of education in a review. After analyzing eight ChatGPT articles, he discovered that educators had reservations about the application of ChatGPT in the classroom.

They voiced concerns that because ChatGPT can produce appropriate texts quickly, pupils would outsource their work to it. As a result, Mhlanga (Mhlanga, D. Et al, 2023) emphasized how crucial it is to use ChatGPT in an ethical and responsible manner. Sallam examined sixty articles from the academic, medical, and healthcare domains on ChatGPT. Throughout the investigations, he discovered a number of issues, from plagiarism to erroneous answers and citations. Thus, it is imperative to give ChatGPT-assisted learning its due consideration right away in order to maximize its advantages and minimize its disadvantages. (M. Sallam, 2023)

2.3 TEFL Teaching Media

The most practical and effective instrument for fostering international peace is language. Digital and English communication tools are employed in every United Nations international summits. There is no denying that English is a foreign language that is studied in many nations and is extensively spoken throughout the world. English is being taught more often worldwide since it is a second language in so many nations.

Naturally, a variety of arguments are used in this instance to create English. Numerous techniques and strategies are employed when teaching English. There have been numerous innovations in English language education, including course offerings, language majors, and educational institutions. However, naturally, in terms of instruction, it cannot be separated from the complex way of teaching and learning English.

As a result, there are numerous ways and methods for teaching English to students with various requirements. Practically speaking, TEFL need to demand something. The horizon and a teacher's license determine the professional growth of teachers. As a result, beliefs, skills, morality, and teaching responsibilities must be learned for learning to be effective and of high quality (Zangani et al., 2020). A teacher's knowledge and leadership are essential for guiding their students in the classroom.

Teachers are the role models for teaching and learning. The instructor performs and facilitates in the classroom. A teacher can also instruct in the application of knowledge transfer. The essence of language is examined through its fundamental patterns and the learning environment, where students can understand the ideas presented by language theories (Setiyadi, 2020).

2.4 ChatGPT in TEFL Teaching Media

First, it seems important to briefly explain the relationships between the terms approach, method, and technique—all of which are interrelated and hierarchical. In actuality, they stand for three stages of analysis and decision-making by the instructor on the instruction of English in the classroom. The most abstract of the three terms, an approach or strategy refers to the linguistic, psycholinguistic, and sociolinguistic principles that form the basis of techniques and approaches. In actuality, all teachers have some theoretical tenets that serve as a framework for their approaches and technical concepts. Conversely, a technique is the most limited of the three; it is merely one method to employ in the classroom.

Concepts regarding classroom interaction, educational philosophy, and theories regarding the nature of language and how it can be taught and learned all influence methods. These values pertaining to society and interpersonal relationships permeated everything. It is possible to declare that a model shift is occurring when these factors begin to alter. Approaches and techniques are separated by methods, which operate as a bridge between theory (the approach) and classroom practice.

Numerous approaches can be shared by certain ways, and while some techniques have evolved independently, the most significant ones begin with the primary methods. Concepts regarding classroom interaction, educational philosophy, and theories regarding the nature of language and how it can be taught and learned all influence methods. These values pertaining to society and interpersonal relationships permeated everything. A shift in the model can be identified when certain elements begin to change (Alcaraz 2021: 10-14).

To understand the empowerment of AI chatbots such as ChatGPT in EFL teaching, it becomes imperative to clarify the inherent reasons for ChatGPT's support in assisting foreign language learning activities, mainly including the following justifications. Interaction theory, which emphasizes the collaboration between language learners and other speakers Chapelle (2005), supported ChatGPT's functionality as conversational AI. ChatGPT, based on mass authentic corpus can provides foreign language learners with resources and a real environment to communicate in a foreign language.

Furthermore, learners will not feel embarrassed when communicating with ChatGPT as it is not a real human being. This allows them to maintain their confidence and motivation while improving their communicative willingness and language output (Arif et al., 2019; Lim et al., 2021; Nair & Yunus, 2021). Additionally, ChatGPT trained with reinforcement learning from human feedback (RLHF) can actively recognize errors and adapt answers accordingly. The human-like simulation provided by ChatGPT could positively impact learners' motivation and attitudes towards English learning, which was conducive to promoting progress in learning English (Saman & Asieh, 2022)