

CHAPTER I

INTRODUCTION

This chapter includes a discussion of the research's background, research problem, research objective, scope limitations, significance of study, and definitions of key terms.

1.1 Background of the study

According to Sekhar & Chakravorty (2017), TEFL which stands for Teaching English as a Foreign Language, is a technique used to teach English to students with no knowledge of the language. Though supporting learning and reflecting on life, Tefl is a global profession that is trying to address the educational needs of individuals and societies.

According to Endang Fauziati (2010), TEFL it references the discipline of instructing English speakers in nations where the language is not the official one. To assist students in improving their grammar in the English language, TEFL contains a variety of teaching approaches.

According to Miroslaw Pawlak (2021), grammar is fundamental in the teaching of a foreign language, representing the basis for further study of vocabulary, building sentences, and eventually speaking, leading to fluency. They should discuss problems with the teacher and use their preferred learning techniques. In conclusion, many students still cannot find ways to master English, especially grammar.

According to Irzawati et al. (2024), Learning grammar is not easy for the majority of students. Meanwhile, Technology is a vital component of the teaching and learning process in the education industry. Both the magic of content acquisition and the application of technology in educational material delivery. Stated differently, technology has a significant impact on human existence and affects all domains, including education. the landscape of education, particularly in language learning, has seen significant transformations with the advent of advanced technologies. One such technological innovation is ChatGPT, a powerful language model developed by OpenAI, which has shown considerable promise in various applications, including education Rahman & Watanobe (2023).

According to Zhu, Sun, Luo, Li, & Wang (2023), the progress of technology enables the emergence of artificial intelligence AI the ascent of AI has led to significant transformations in numerous aspects worldwide. According Tlili, Shehata, Adarkwah, Essel, Bozkurt, dan Burgos (2023), the continual advancement of AI influences various aspects of daily life, in the realm of education, the incorporation of AI into teaching and learning environments yields substantial effects, offering promising advantages that bolster educational enhancement.

According to Abdullah, Madain, dan Jararweh (2022), ChatGPT is one of the most well-liked resources for grammar instruction nowadays. ChatGPT is a cutting-edge language model developed by OpenAI, based on the GPT-3.5 architecture. It is designed to understand natural language inputs and generate human-like responses. ChatGPT has been trained in vast amounts of text data, allowing it to generate a wide range of responses on a variety of topics. It can be used for a variety of applications. With its advanced language processing capabilities, ChatGPT is leading the way in the field of artificial intelligence and natural language processing. According to Kohnke, Moorhouse, and Zou (2023), Additionally, Chatgpt improves language acquisition through real-word interactions, including word context creation across genres paraphrasing, and translating the creation of tests and assessments.

According to Javaid et.al (2023), While ChatGPT should not replace human interaction and feedback in the classroom, it could serve as a valuable supplement to traditional teaching methods. ChatGPT due to its novelty. The authors conclude that ChatGPT is a strong Natural Language Processing tool that can produce conversations that appear to be written by a human. Utilizing this technology has advantages such as enhanced efficiency, higher precision, and reduced costs. Nonetheless, it faces some hurdles such as security issues and limitations in capabilities. Despite these difficulties, ChatGPT is a noteworthy Artificial Intelligence tool that can be utilized for automating discussions and generating more precise replies. Based on the above discussions, the use of CHATGPT as teaching media for learning TEFL grammar in the English study program can be seen.

1.2 Research problem

1. What is the use of ChatGPT as a teaching media in learning TEFL grammar In English study?

1.3 Research objective

1. To understand the use of ChatGPT for media instructions in learning TEFL grammar at the university.

1.4 Scope and limitations

The scope of this study is the sixth-semester students in TEFL classes of the English Language Educations Department (ELED) at the Universitas Muhammadiyah Malang in 2023. Meanwhile, the limitation of this study was focused on the use of ChatGPT in teaching media learning TEFL grammar skills.

1.5 Significance of this study

Theoretically, Using ChatGPT as a TEFL grammar teaching tool in an English study helps improve students' engagement and comprehension of grammar concepts by providing interactive grammar practice and personalized feedback. AI models should be used in conjunction with manual instruction to address their shortcomings and provide a comprehensive learning experience.

Practically, in practical terms, students can receive immediate feedback, engage in interactive grammar practice, and have access to learning resources at any time and from any location by using ChatGPT as a TEFL grammar teaching tool in an English course. But to ensure a comprehensive and fruitful language learning experience, it needs to be used in tandem with traditional teaching methods and improved by human support.

1.6 Definition of key terms

1. Teaching Media

According to Fansury et.al (2020), Teaching media are commonly used by English teachers, the teacher uses media to motivate students because it is one of the important parts of success in the learning process. Moreover, the use of teaching media helps the teacher to connect learners with events that are culturally relevant to achieve the teaching and

learning goal.

According to Nielsen, Turney, Georgiou, et al. (2020), Learning with different media forms impacts mental representations and cognitive processes. Text, visuals, audio, and interactive interfaces shape how individuals perceive and understand the world. Diverse media resources allow for constructing, revising, and expanding cognitive frameworks. Engaging with varied content through various media vehicles refines mental representations. The interplay between media characteristics and cognitive processes enhances learning and cognitive capabilities.

2. ChatGPT

According to Aljanabi et.al (2023), ChatGPT is an application that enables users to ask questions in a natural language. It comprehends and generates human language, providing a seamless user experience. With a user-friendly interface, Chatgpt caters to diverse needs, ensuring efficient communication and information exchange. It continuously improves with cutting-edge technology to engage users and offer valuable insights. Chatgpt revolutionizes technology by making complex language tasks accessible to all users.

3. TEFL (Teaching English as a Foreign Language)

According to Lightbown and Spada (2020), TEFL is an acronym that stands for Teaching English as a Foreign Language. Simply put, TEFL involves the noble pursuit of imparting the skills of the English language to aspiring students from diverse corners of the globe, residing in countries where English may not commonly be spoken as their mother tongue. The art of TEFL, meticulously honed by passionate educators, enables the dissemination of linguistic knowledge by utilizing innovative teaching methodologies, fostering an atmosphere of cross-cultural understanding, and nurturing the language proficiency of non-native English speakers.

4. Grammar

According to McCarthy (2021), Grammar is an important and indispensable skill for language learners and teachers to be able to communicate effectively. Grammar is important in giving any language structure, clarity, and meaning. As such an important subject, the word "grammar" has been the subject of extensive exploration and has garnered many definitions from various linguistic authorities. From these various perspectives, "grammar" has many meanings, making it an interesting field to study.



CHAPTER II

REVIEW RELATED LITERATURE

This chapter discusses some reviews of related literature concerning the topics of this study. It focuses on three sections including ChatGPT. Teaching English as a foreign language (TEFL), and Grammar skills.

2.1 Teaching media

According to Wirawan Fajar (2020), English teachers in Indonesian schools often utilize teaching media to instruct English. These tools are employed to stimulate students' motivation, recognized as a crucial element contributing to success in the learning journey. According to Lacka, Wong, & Haddoud (2020), Teaching media is something that we can use to share the message, it can stimulate attention, and interest, and stand students' thoughts and feelings in learning activities to achieve learning goals. As one component of a learning system, media plays a critical role in the learning process. Learning media is used to help students understand what they are learning. After deciding on the type of media to employ, we must be able to provide students with comprehension for them to participate in an effective learning process.

According to Haleem et (2022), To put it another way, the media is a component of learning resources or physical learning resources that contain instructional content in a learning environment that can motivate learners to learn. Media is a tool for the teaching and learning process, everything that can be used to stimulate the mind, feeling, attention, and ability or skill of students to encourage the learning process. It also helps the teacher to teach more effectively improve the teacher's knowledge about the media in presenting materials and enable the students to learn more readily, specifically to fulfill objectives in a teaching-learning situation. According to Alenezi (2020), Teaching media will become a significantly more effective and remarkably efficient support tool in accomplishing the desired learning objective when they are meticulously and judiciously employed throughout the entire learning process without any negligence or oversight.

2.1.1 Importance of teaching media in Today's digital age

According to Mohamed, Tiemsani, and Matthews (2022), the integration of digital media in education is vital as it transforms the way students learn. By utilizing digital media, students become active participants and feel more in control of their educational journey. Additionally, it provides a wide range of tools and resources that can help students effectively navigate through complex concepts and ideas. Digital learning is particularly beneficial in presenting challenging subjects that students may struggle to understand completely. In this way, digital media is essential in enhancing the educational experience, encouraging student involvement, and encouraging a deeper understanding of challenging topics.

According to Zhang and Zou (2022), Incorporating digital media into the learning process makes it fun, interactive, and more interesting. It aids the process of learning and helps learners retain better. The Internet being widely accessible, helps students gather knowledge with just a few clicks.

According to Nawaila et.al (2020), Modern technology has been incorporated into language classrooms for English language instruction, significantly improving the overall quality of the teaching and learning process. Terms like "e-learning" and "Technology in Education" have become quite important in educational settings since digital media has brought a creative and inventive dimension to teaching. The purpose of teaching media in the context of language education can vary depending on the specific goals of the language program or the objective of a particular lesson. However, here are some common purposes for teaching media in language education. The usage of media engages pupils and keeps them concentrated on the lesson.

According to Baskara & Mukarto (2023), Teaching media in language education has various purposes. It captivates and engages students, improving focus. It also enhances comprehension by providing authentic language contexts. Media teaching fosters critical thinking and creativity, improving language and cognitive skills. It promotes multimodal literacy, enabling students to navigate different media platforms. Additionally, it cultivates cultural awareness and empathy towards diverse cultures. In conclusion, teaching media enriches language

learning and equips students with essential communication.

According to Prabawati et al. (2021), In other words, it keeps students interested and involved in the material. Because it allows them to read, see, or hear information more than once in various situations over time, it helps pupils retain what they have learned. Media serves as a tool for the teaching and learning process, encompassing anything that can engage students' minds, emotions, focus, and abilities to foster learning. Additionally, it aids teachers in delivering lessons more effectively, enhancing their understanding of media for material presentation, and facilitates students' more readily grasp of the content to meet the objectives in a teaching-learning setting.

2.1.2 The Role of Media in Education

According to Managt Sci tech (2019), The role of media has been considered important not only in the development of education but also in other areas such as communication, motivation, social welfare, work opportunities, and understanding how to make effective use of technology.

According to Sudarmo et al. (2021), The role of media in education is more crucial than ever in the current digital era. Media is a helpful tool that enhances and modifies the process of learning. It provides access to a vast array of educational material, such as articles, films, interactive simulations, and instructional software, that are available whenever and wherever you choose. These resources allow students to study at their own speed and delve into a range of subjects outside of the conventional classroom. Additionally, media enable personalized and unique education. Training can be tailored to each student's needs, learning style, and pace of learning with the help of online tutorials, educational apps, and adaptive learning platforms. This personalized approach ensures and supports students as they progress in their education.

2.1.2.1 Media as a Tool for Enhancing Learning

According to Koraisi (2023), In TEFL (Teaching English as a Foreign Language), using media as a tool to improve grammar learning with ChatGPT can successful strategy. Learners may find grammar more interesting, useful, and pleasurable by incorporating different media, like songs, movies, articles, and even

interactive ChatGPT interactions.

1. **Contextualized Examples:** The media offers real-world, situation-specific examples of proper language use. Grammar structures in authentic contexts can be demonstrated to learners through audio or video content. Learning how grammar works in natural language environments is facilitated by this exposure.
2. **Visual illustrations:** Grammar rules can be shown in media by displaying verb tenses, word order, and sentence structure this is multimedia presentations and other visual aids can make it easier for students to understand difficult grammatical concepts.
3. **Interactive practice:** learners can practice grammar in real-time discussions by using interactive media, such as ChatGPT or virtual language learning systems. With ChatGPT, students participate in interactive conversations and receive immediate feedback, enabling them to apply recently acquired grammar principles engagingly and dynamically.
4. **Authentic Materials:** learners can examine and deduce grammatical patterns from real language content found in media sources including new stories, and podcasts. These materials give students exposure to a variety of text formats and aid in the development of their comprehension of grammar in different contexts.
5. **Gamification** is the process of incorporating media into grammar-learning games or quizzes to increase student enjoyment and motivation. Grammar activities are facilitated by the use of visual and interactive components in educational apps and online platforms, which help learners practice and reinforce what they have learned.

2.1.2.2 Visual and auditory stimulation

According to Zhang and Zou (2022), The stimulation of the eyes and ears is essential for improving learning experiences. Learning is made simpler for students by the visual representation of information provided by visual stimuli including pictures, videos, graphs, and diagrams. Visual aids aid in the interpretation and retention of knowledge by assisting pupils in visualizing abstract concepts, spatial

relationships, and processes. Additionally, visual cues can appeal to a variety of learners by satisfying visual learners who retain information better through visual cues.

According to Perez (2022), Visual and auditory stimulation enrich our lives, igniting our senses and fostering boundless creativity. The visual world mesmerizes with vibrant colors and captivating scenes, while auditory stimulation brings melodies and rhythms that inspire us. Together, these elements create a harmonious sensory experience that elevates our perception and fulfills us. Embrace the power of sight and sound, for they awaken our senses and fill our lives with joy and inspiration.

According to Bigelow et.al (2022), Visual stimuli can greatly influence and alter the firing patterns of neurons in the auditory cortex. This leads to the integration of multiple sensory inputs, allowing for a comprehensive understanding of the surrounding environment and the events happening within it. This modulation of auditory cortex neurons by visual stimuli occurs irrespective of the specific category or type of the stimuli being presented. As a result, the brain can gather a wealth of multisensory contextual information, enabling a more holistic perception of our surroundings.

2.2 TEFL

According to Sekhar & Chakravorty (2017), Teaching English as a foreign language, or TEFL for short, is a technique used to teach English to students with no knowledge of the language. Though supporting learning and reflecting on life, Tefl is a global profession that is trying to address the educational needs of individuals and societies.

According to Endang Fauziati (2010), Teaching English to Foreign Languages is known as TEFL. It references the discipline of instructing non-native English speakers in nations where the language is not the official one. To assist students in improving their grammar, vocabulary, pronunciation, listening, reading, and writing abilities in the English language, TEFL contains a variety of teaching approaches, theories of language acquisition, and instructional tactics.

According to Hanifa & Yusra (2023), TEFL instructors frequently modify their

lesson plans to meet the unique requirements and learning styles of their pupils, creating a productive and interesting learning environment. One key component of TEFL is its emphasis on creating communicative and participatory learning environments. TEFL instructors focus on enhancing their students' speaking, grammar, reading, and writing abilities through engaging activities, discussions, and role-plays. For pupils to use English confidently in everyday situations, the goal is to promote language fluency and effective communication.

2.2.1 Method of Teaching Foreign Language

According to Kim and Baig (2021), Currently, this method is most likely the preferred one for teaching English abroad. Partly because it seeks to place students in a variety of real-world circumstances so that they can learn how to use their language skills to communicate in the actual world.

By combining grammar-translation and communicative methods, along with an adaptable teaching approach and immersion in the target-language culture, we can greatly improve students' language proficiency. This will allow them to confidently communicate in real-life situations, overcome language barriers, and understand cultural nuances. Through active participation, critical thinking, and collaboration, students will develop a deep understanding of language as a tool for effective communication. There are numerous ways to teach foreign languages, each with a unique strategy.

According to Tursunovich & Rustamov (2022), The instructor concentrates on teaching grammar and phrases through context, demonstration, and visual aids while solely using the target language in class. It promotes student involvement and teaches language skills in context by using real-world resources. The goal is to become proficient in communicating clearly in the target language. According to Setiyadi (2020), The tasks are made to be meaningful and pertinent to foster communication and problem-solving abilities. While studying academic subjects like history, science, or literature, students pick up the target language. It aids pupils in developing linguistic abilities in a useful setting. To help students learn a language, the teacher guides them with visual aids, gestures, and hints.

2.2.2 The Elements of Language Learning

According to Kulaeva & Kulaev (2023), The elements of language skills speaking, writing, listening, and reading as additional vocabulary and grammar are included in learning a language. Grammar sets the medium structure and uses rules for language, whereas vocabulary supplies the building elements of communication. The four language proficiency stages allow Grammar to be the study and use of a language's structures and rules to construct clear sentences and carry out efficient communication. Understanding parts of speech, sentence structure, verb tenses, word order, agreement, and other grammatical principles are all necessary for precise and coherent language use.

2.3 Grammar skills

According to Rossiter (2021), Grammar skills refer to the ability to understand and apply the rules and structures of a language to form correct sentences and communicate effectively. Developing strong grammar skills is essential for accurate and coherent language use. It involves understanding parts of speech, sentence structure, verb tenses, word order, agreement, and other grammatical concepts. Proficiency in grammar allows individuals to express themselves clearly, avoid misunderstandings, and convey their Components of grammar skills.

According to Nurbianta, Rahmat, and Shollina (2019), Grammar is typically seen as one of the linguistic components that students should master in addition to vocabulary and sound systems in the educational setting, particularly while studying and teaching a foreign language. Grammar is defined, specialists define it differently, and the word itself has multiple meanings.

According to Setiyadi (2020), Understanding and applying language norms requires a variety of skills, including grammar. Sentence structure, verb tenses and forms, agreement, word order, punctuation, and familiarity with grammatical conventions and rules are some of these components. Verbs, adjectives, nouns, and so forth are examples of speech parts. Proficiency in these domains facilitates clear written and spoken communication, grammatically sound sentence construction, and appropriate message conveying. By understanding these fundamental ideas,

students can enhance their grammar and establish a strong foundation for understanding communication. Grammar is regarded as the most crucial of those three language components for learning more complex languages.

2.3.1 Grammar as an Important Skill

According to Kulaeva & Kulaeva(2023), Grammar is an important skill that is essential to learning a language and efficient communication. It functions as the structure of language, guaranteeing precision and lucidity in spoken as well. People can create grammatically accurate phrases, effectively communicate meaning, and participate in meaningful conversations by comprehending and using grammatical rules. Proficiency in grammar not only improves understanding but also instills confidence in the ability to articulate ideas and thoughts clearly and concisely, which is essential for success in both the classroom.

According to Van Rijt and Coppen (2021), The research Grammar will be better at comprehending words like verbs and nouns. With grammar training, a student's understanding and application of grammatical principles will improve. In addition to words that fall into the clearly defined categories of verbs, nouns, adjectives, adverbs, pronouns, prepositions, conjunctions, and interjections, sentences typically comprise clauses with subjects and predicates. For this reason, grammar training is crucial. Those who comprehend these ideas have a clear advantage over others wherever language is used, which is everywhere. According to irichokcharoenkun, Tipayavaravan, and Cao (2023), ChatGPT OpenAI developed ChatGPT, an artificial intelligence model meant for the development of conversation applications using AI that can efficiently understand and respond to human language input. According to Fitria (2023), With ChatGPT, you may interact with the chatbot in a manner like to that of a human being and do a lot more using AI technology. The language model can provide answers to your questions and help you.

According to Sok & Heng (2023), The creation of learning assessments, improvement of pedagogical practice, provision of virtual personal tutoring, idea generation, and outline creation are among ChatGPT's five primary advantages. However, there are also concerns associated with biased learning assessments, erroneous information, excessive dependence on AI, and problems with academic

integrity. The article provides a list of suggestions for using ChatGPT for research and teaching efficiently.

2.3.2 The Origin of ChatGPT

According to Abdullah, Madain, dan Jararweh (2022), ChatGPT came into existence in late November 2022 under the auspices of Open Artificial Intelligence (AI). This model has absorbed a vast volume of textual data through thorough pretraining, surpassing 45 terabytes. This compilation includes a notable array of online content, literature, publications, and other diverse references. The startup OpenAI created ChatGPT, a new chatbot that acts as a language model interface (Large Language Model). In addition to being able to analyze odd answers, it is made to simulate a human conversation partner. ChatGPT can write poetry and music lyrics, create computer programs, and respond to test questions.

According to Ozdemir (2023), ChatGPT is an artificial intelligence (AI) chatbot built on top of OpenAI's foundational large language models (LLMs), such as GPT-4 and its predecessors. This chatbot has drastically changed the norms surrounding artificial intelligence by proving that computers can actually "learn" the complexities of human language and interaction. Let's take a look back at ChatGPT's incredible history, from its conception to its present state of capabilities.

2.3.3 Program of chatgpt

According to Baskara & Mukarto (2023), ChatGPT enhances creativity and critical thinking skills, improves language learning, and promotes student engagement. It encourages creative thinking, different perspectives, and generating new ideas. It positively impacts critical thinking and innovative solutions. It helps students practice languages, correct errors, suggest alternatives, improve fluency, and build confidence. It promotes student engagement, active participation, clarification, and personalized support. It enhances subject-specific learning, providing insights, answering questions, and initiating thought-provoking conversations. In conclusion, ChatGPT's features have significant potential in education, transforming the learning experience and empowering students worldwide.

According to Azaria, Azoulay, and Reches (2024), ChatGPT is an incredibly powerful language model that excels at tackling a diverse array of prevalent programming difficulties. Nevertheless, its capacity for attention is somewhat restricted, leading to occasional struggles in accurately grasping and deducing the primary purpose behind the provided code. Nevertheless, even with these obstacles, ChatGPT remains an exceptional resource that consistently provides invaluable aid to programmers seeking assistance. With a steadfast commitment to improvement, ChatGPT perseveres to enhance its capabilities and further revolutionize the programmer's experience.

2.3.4 Feature

According to Wang, Liu, and Ye (2023), The prospective uses of ChatGPT in pharmacovigilance, education, and international relations bode well for the technology's future. According to Nugroho Arif (2023), ChatGPT is a digital platform that showed significant promise in educational settings. It can facilitate personalized learning, encourage genuine connections, and increase student productivity. It can help with grammar and syntax in writing, facilitate the learning of new terminology, and act as a conversation starter.