

Exploring the Benefits of Using ChatGPT in Learning Process for English Education Students of Baturaja University

Seffrian Cris Saputra¹, Merie Agustiani^{2*}, Mila Arizah³, Shofiyatul Huriyah⁴

^{1,2} Universitas Baturaja, Baturaja, South Sumatera, Indonesia

* E-mail: merie_piecery@fkip.unbara.ac.id

Abstract

This survey study aims to examine the benefits of using ChatGPT in the learning process among English Education students at Baturaja University. The population consisted of 91 students from the English Education Study Program. The researcher utilized convenience sampling as 45 filled the instrument given. Data were collected through a questionnaire consisting of 16 statements across five indicators, employing a four-point Likert scale. The data were analyzed descriptively using percentages. Based on the the data recapitulation, the researchers identified varying levels of agreement among English students regarding the benefits of utilizing ChatGPT in the learning process. Specifically, 28% of the students strongly agreed, 57% agreed, 13% disagreed, and 2% strongly disagreed with the advantages associated with ChatGPT. It can be concluded that the integration of ChatGPT into students' educational journey proved advantageous in improving their understanding of the subject matter and acted as a catalyst for their motivation to gain fresh insights and knowledge.

Key words: Artificial Intelligence in learning, ChatGBT in Education, Learning Process.

INTRODUCTION

The process of acquiring knowledge and skills is called education. Learning English is a skill-based process that calls for a range of methods and strategies. Technological advancements have a significant impact on education today. The most recent way to address the difficulties of learning English is through the use of technology (Santi et al., 2023). In addition, Technology integration makes it possible for data and information to be exchanged more quickly, accurately, and limitlessly. One of the biggest challenges facing the field of education in this century is the change in habits (Amaliah et al., 2023)

The educational landscape has undergone significant transformations due to the advancements in information and communication technology (Apriyanto & Iswadi, 2023). Technology plays a crucial role in the educational setting, serving as a vital tool for educators to enhance the learning experience of their students. The concept of technology integration in education emphasizes the seamless incorporation of technological tools into the curriculum to optimize the teaching and learning process. As technology continues to be an integral part of our daily lives, it is imperative to shift towards a more comprehensive approach of embedding technology in teaching practices to effectively support the learning journey (Ahmadi, 2018). The rapid progression of current technological advancements is facilitating students with convenience in supporting their oral and written learning. This technological development is playing a significant role in shaping the progress of education, especially in higher education. The present generation must take advantage of the continuous growth of digital technology, as it has a profound impact on simplifying everyday life.

Innovative learning environments can be created by incorporating new teaching methodologies alongside advanced technologies. This integration enables instructors to effectively streamline their teaching methods and enhance the organization of their instructional materials, resulting in more efficient teaching practices (Agustiani et al., 2021). The application of contemporary technology in the field of English language instruction is widely recognized as encompassing a creative utilization of various methods, tools, materials, devices, systems, and strategies that directly pertain to the teaching of English and contribute to the attainment of desired educational objectives. Consequently, while technology is now universally acknowledged as a significant educational and supplementary tool in

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diverse teaching and learning contexts, its significance is particularly pronounced in the realm of English language instruction due to the numerous potential opportunities it offers to enhance both the substance and delivery of traditional pedagogical approaches. This is primarily accomplished by enabling students and/or teachers to revisit challenging content repeatedly until it is fully comprehended and internalized. Familiarity with the concept of employing modern technology extends beyond the mere utilization of contemporary appliances and devices, but rather encompasses the introduction of innovative systems and teaching methods that facilitate more rapid and comprehensive learning progress. According to prevailing pedagogical theories, by harnessing the learning potential of technology, students are better equipped to acquire and refine their language knowledge and skills. The integration of technology into English language instruction consolidates the holistic perspective of the modern educational system and its interconnectedness with other components, thereby benefiting students by enabling them to achieve the desired outcomes. The results of various studies provides evidence for the ineffectiveness of conventional English teaching approaches, demonstrating that students exhibit greater engagement and participation when incorporating contemporary technology for learning English. Data analysis underscores that a substantial portion of individuals acquiring English language proficiency opt for modern tools like smart boards, computers, and screens over traditional instructional strategies. Additionally, the research highlights that student-teacher interaction and overall student engagement in the educational setting are notably enhanced through the utilization of modern methodologies in English education (Ahmadi, 2018; Mofareh, 2019; Saydakhmatova, 2019; Van Horn, 2024; Warni et al., 2018).

In recent times, there has been a surge in interest regarding the incorporation of artificial intelligence (AI) across various sectors. AI has emerged as a leading technology in diverse fields, including education. One particular domain where AI has demonstrated considerable promise is in English Language Teaching (E.LT). Due to the rapid advancements in technology, AI tools and applications have been seamlessly integrated into language learning platforms, classrooms, and online resources, revolutionizing the methods of teaching and learning English. Within the realm of language education, AI presents significant opportunities for enhancing the learning process and elevating outcomes. English language teaching is no different, with educators actively exploring the capabilities of AI to enrich language learning experiences. AI has the potential to enhance the learning journey for English language learners by offering tailored instruction, instant feedback, and immersive language practice (Akbarani, 2024).

Artificial Intelligence plays a crucial role in fostering an optimal learning atmosphere for individuals learning the English language. It possesses the ability to create tailored learning environments, allowing students to actively engage in English language practice that aligns with their proficiency level, professional needs, and personal interests. AI provides a platform for realistic simulated dialogues, encompassing spoken English, while also enhancing practical writing skills. Gomathi et al. (2023) claim that the incorporation of artificial intelligence (AI) into language learning settings presents a wide range of opportunities for enhancing the development of the four essential language skills: speaking, listening, reading, and writing. AI-driven tools like speech recognition systems, chat bots, virtual tutors, and language learning apps have surfaced as cutting-edge resources that can offer learners engaging and immersive language learning experiences. These tools come equipped with functionalities such as instant feedback, customized assessments, and tailored content, all of which hold promise in improving learners' communication skills and expediting their language acquisition journey. To sum up, by enhancing students' practice capabilities and maximizing the effectiveness of English language teaching in E.LT, AI proves to be a valuable tool in nurturing English language proficiency (Akbarani, 2024; Gomathi et al., 2023; Rukiati et al., 2023).

The ChatGPT is widely recognized as one of the most renowned text-based generative AI models. With its extensive training on a vast amount of human-generated texts, it possesses the remarkable ability to anticipate the subsequent word in a provided sequence and produce a coherent and contextually fitting text. The potential applications of ChatGPT in higher education have been

highlighted by the United Nations Educational, Scientific, and Cultural Organization. These applications encompass teaching and learning, research, administration, and community engagement. ChatGPT can play a crucial role in improving the teaching-learning process by taking on multiple functions including serving as a possibility engine, Socratic opponent, collaboration coach, and guide on the side, personal tutor, co-designer, Exploratorium, study buddy, motivator, and dynamic assessor (Meniado, 2023).

Despite being a relatively new platform founded in November 2022, numerous research studies have explored the possible contributions of ChatGPT in the field of language education. The emergence of advanced language models like ChatGPT in higher education has the potential to transform language learning and instruction. ChatGPT's capacity to produce genuine language resources, like conversations, news pieces, or written passages, offers a distinct benefit for language education. Through ChatGPT, educators can offer students exposure to authentic language, ultimately enhancing their reading comprehension abilities and overall language proficiency (Baskara & Mukarto, 2023).

The integration of ChatGPT tool in academic assignments, essays, papers, and other forms of scholarly writing provides significant advantages for contemporary students. By utilizing ChatGPT, students can simplify their tasks and effectively seek assistance. The use of ChatGPT technology has been commended by numerous individuals for its ability to produce well-organized results, which include coherent sentences and relatively precise wording (Setiawan & Luthfiyani, 2023). Furthermore, AI applications such as ChatGPT offer precise and efficient personalized feedback and automated grading. However, it is imperative for users to thoroughly evaluate the results since they are contingent upon the provided prompts (Rudolph et al., 2023).

However, despite its affordances and great potential to transform learning, teaching, assessment, research, work productivity, and community engagement, ChatGPT is faced with many issues and challenges. Due to its impressive ability to generate human-like text outputs, academics are worried that students may misuse or abuse it in preparing their course requirements. Lastly, since it heavily relies on training data which may be biased in some respects, it may also yield biased responses (Meniado, 2023). In sum, integrating ChatGPT into language education offers promising advantages, yet it also raises concerns and invites criticisms.

Not with standing the existing gap in scholarly works, the utilization of large language models such as ChatGPT for language learning is gaining traction as a promising field of study. ChatGPT, specifically, has attracted considerable interest for its capacity to produce text resembling human language, making it a viable candidate for enhancing language education. Hence, the primary objective of this research is to address this gap by presenting a theoretical framework to elucidate the connection between ChatGPT and language acquisition within the realm of higher education. The aim is to investigate the possible advantages and obstacles associated with integrating ChatGPT into language instruction at the higher education level.

The objective of this study is to conduct a research in order to investigate the existing knowledge on ChatGPT and its impact on language learning. Furthermore, this research will analyze the potential benefits of utilizing ChatGPT in language instruction and practice. Through these efforts, it is anticipated that this study will make a valuable contribution to the ongoing discussion regarding the role of technology, particularly ChatGPT, in higher education language learning. Ultimately, the aim of this study is to inspire further research and enhance our comprehension of the connection between technology and language learning.

METHODOLOGY

This research employed a survey design. The selection of the survey method is based on two primary reasons. Firstly, it ensures that the collected data is comprehensive. Surveys are typically straightforward and employ simple statistical tools, such as descriptive statistics, to analyze the data. By incorporating surveys, researchers can enhance the research by providing additional information, resulting in a thorough and convincing description of the findings. Secondly, researchers may find the need for more comprehensive research outcomes after collecting and analyzing initial data. Therefore, they may opt to conduct further research to gain a deeper understanding of the subject matter.

The research sample was comprised of 91 students who were currently enrolled in the English Study Program at Baturaja University. The sampling method employed in this study was convenience sampling, which involves selecting participants based on their availability at a specific time and place, as well as their willingness to take part in the survey. Among the total student population, 45 students actively participated by completing the questionnaire provided for the study.

The data collection process primarily relied on the administration of a questionnaire, which consisted of closed-ended questions. The questionnaire utilized in this research was designed with 16 questions that focused on 5 key indicators: convenience, proficiency, satisfaction, motivation, and engagement. These indicators were adapted from the work of Mairisiska & Qadariah (2023) to ensure the relevance and validity of the study's findings. The gathered classifications were evaluated through the utilization of a Likert scale, where each response was given a score that falls within the range of 1 to 4 (strongly disagree to strongly agree).

Table 1. Specification of Questionnaire

Indicators	Questionnaire Statements
Convenience	1. ChatGPT offers a user-friendly interface that is simple to navigate and readily available for use. 2. ChatGPT streamlines the process of completing college assignments, making it a more efficient and effective tool for academic tasks. 3. The responses and explanations generated by ChatGPT are presented in a clear and comprehensible manner, enhancing the overall user experience and understanding of the content provided.
Proficiency	1. ChatGPT facilitates the acquisition of fresh knowledge for me. 2. ChatGPT aids in the enhancement of my comprehension regarding a particular subject matter. 3. ChatGPT fosters the development of my critical thinking abilities. 4. ChatGPT broadens my understanding of technological innovation.
Satisfaction	1. The utilization of ChatGPT in the learning process is highly captivating and pleasurable. 2. The precision of the responses offered by ChatGPT leaves me extremely content. 3. The promptness with which ChatGPT addresses my inquiries brings me great satisfaction. 4. ChatGPT aids me in optimizing my time utilization to the fullest extent possible. 5. I regularly employ ChatGPT as a valuable tool for my educational endeavors.
Motivation	1. ChatGPT has the potential to inspire me to engage in learning activities. 2. ChatGPT has the capability to encourage me to produce scientific papers.
Engagement	1. ChatGPT stimulates my engagement in the learning process, encouraging me to be more active and participatory. 2. ChatGPT boosts my learning experience by fostering creativity and innovative thinking.

RESULT AND DISCUSSION

Table 1 presents the tabulation of students' responses to the questionnaire. The data are categorized into four response options: Strongly Agree (SA), Agree (A), Disagree (D), and Strongly Disagree (SD). Each item shows the frequency (F) and percentage (%) of students' responses. This table provides an overview of how students perceive the statements given in the questionnaire.

Table 1. The Tabulation of Students' Responses

ITEM NUMBER	SA		A		D		SD	
	F	%	F	%	F	%	F	%
1	23	51.1	18	40	2	4.4	2	4.4
2	7	15.6	29	64.4	8	17.8	1	2.2
3	13	28.9	26	57.8	5	11.1	1	2.2
4	17	37.8	23	51.1	4	8.9	1	2.2
5	15	33.3	26	57.8	4	8.9	0	0
6	9	20	29	64.4	7	15.6	0	0
7	18	40	22	48.9	4	8.9	1	2.2
8	12	26.7	31	68.9	2	4.4	0	0
9	14	31.1	23	51.1	8	17.8	0	0
10	22	48.9	17	37.8	5	11.1	1	2.2
11	14	31.1	26	57.8	4	8.9	1	2.2
12	9	20	28	62.2	8	17.8	0	0
13	7	15.6	28	62.2	8	17.8	2	4.4
14	3	6.7	30	66.7	11	24.4	1	2.2
15	6	13.3	29	64.4	8	17.8	2	4.4
16	11	24.4	26	57.8	7	15.6	1	2.2
Total F	200	28	411	57	95	13	14	2

Based on the feedback provided, a total of 10 students from the 2nd semester, 11 students from the 4th semester, 14 students from the 6th semester, and 8 students from the 8th semester have expressed their positive experiences with using ChatGPT as a valuable tool in their English education study program classes. The researchers identified varying levels of agreement among English students regarding the benefits of utilizing ChatGPT in the learning process. Specifically, 28% of the students strongly agreed, 57% agreed, 13% disagreed, and 2% strongly disagreed with the advantages associated with ChatGPT. The following is the chart of students' response recapitulation.

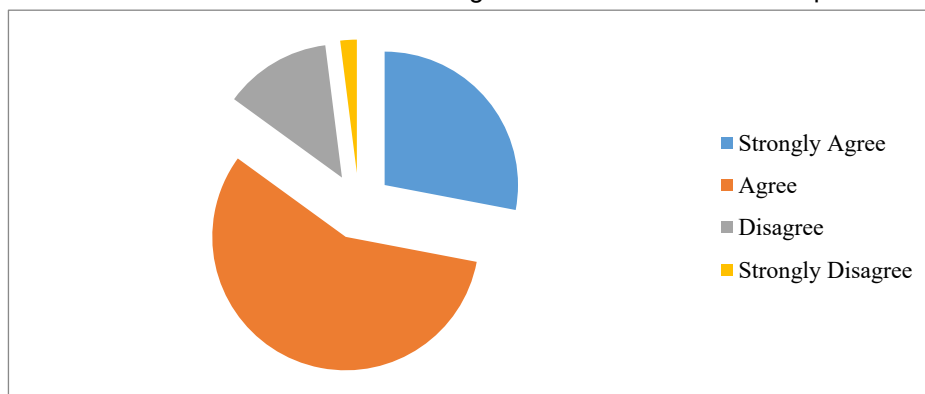


Chart 1. The Students' Response

The initial indicator from the survey, concerning the ease of utilizing ChatGPT reveals that there are various benefits to integrating ChatGPT into the educational journey of English learners. The study unveiled that a notable percentage of students, around 32%, strongly agreed with the advantages of utilizing ChatGPT. Moreover, 54% of the students expressed agreement with these benefits, whereas 11% disagreed and 3% strongly disagreed with the convenience aspect linked to ChatGPT. These results underscore the generally favorable view of ChatGPT among English students and its capacity to enrich the learning process. Meanwhile, the study revealed that approximately one-third (33%) of the students expressed strong agreement, while the majority (55%) agreed with the

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Proficiency indicator. A small percentage (11%) of students disagreed, and only 1% strongly disagreed with the indicator.

In addition, the researchers found that 31% of the students strongly agree, 56% of the students agree, 12% students disagree, and 1% strongly disagree toward the satisfaction indicator. The researchers also found that 11% of the students strongly agree, 65% of the students agree, 21% students disagree, and 3% strongly disagree toward the motivation indicator. The last, the researchers found that 19% of the students strongly agree, 61% of the students agree, 17% students disagree, and 3% strongly disagree toward the Engagement indicator. The recapitulation of students' responses in each indicator of the questionnaire was shown in the following chart.

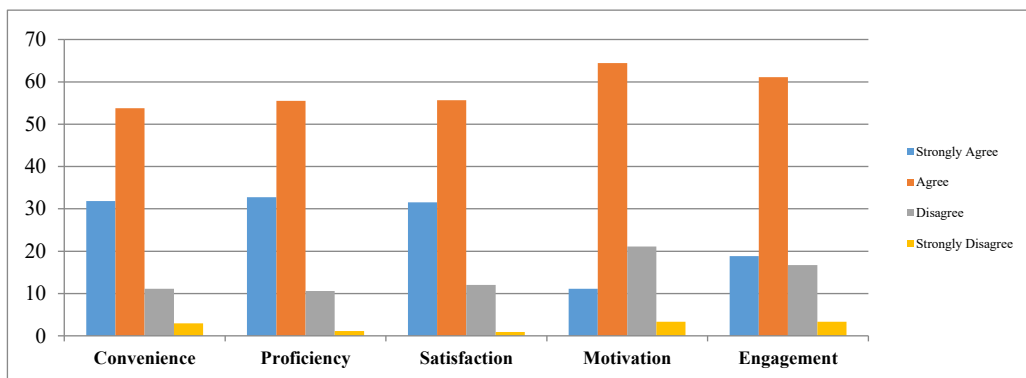


Chart 2. The Students' Responses in Each Indicator of the Questionnaire

The findings of this research revealed that a substantial proportion of students enrolled at Baturaja University expressed favorable attitudes towards the advantages associated with the utilization of ChatGPT within the English Education curriculum. These students have highlighted the significant benefits of ChatGPT in assisting them to formulate well-structured responses to a variety of questions encountered during their studies. ChatGPT is predominantly utilized by these students to gather information on challenging topics and as a reliable source for their assignments due to its user-friendly nature and cost-free accessibility. They strongly believe that integrating ChatGPT into their learning process can improve their understanding of the subject matter and act as a motivational factor in acquiring new knowledge. Despite occasional inaccuracies in responses generated by ChatGPT, students mention that they can easily request a new response until they receive the desired information. Moreover, students find ChatGPT to be straight forward and easy to comprehend, further enhancing its appeal as a beneficial learning tool in their English education program.

The results of this study reveal that students consider ChatGPT to be convenient and easily accessible for their academic requirements. They believe that utilizing ChatGPT facilitates the completion of their university assignments. Moreover, they appreciate the clarity and comprehensibility of the explanations or responses offered by ChatGPT. In summary, the findings suggest a favorable experience with ChatGPT in relation to its user-friendliness, availability, and the effectiveness of support it offers for academic endeavors. ChatGPT is regarded as a valuable instrument for enhancing students' knowledge and enhancing their comprehension of diverse subjects, as indicated by the proficiency indicator. Students perceive ChatGPT as a valuable resource that aids in the exploration and comprehension of unfamiliar topics or concepts. Through the utilization of ChatGPT, students are able to tap into an extensive collection of information and perspectives, which empowers them to expand their intellectual boundaries and remain informed about pertinent advancements in their respective fields of study. It confirms that utilizing ChatGPT is a straight forward process, as it involves visiting the designated Open AI website, signing in with an Open AI account, opting for the "for personal use" feature, selecting preferred functionalities, and inputting the specific details one seeks assistance with. Furthermore, ChatGPT has the potential to augment individuals'

knowledge and comprehension. Such advanced technology offers a wealth of information that aids in their educational pursuits. Nevertheless, it is crucial to approach the utilization of this technology with responsibility and ethical considerations, ensuring that its application contributes to the generation of novel scientific insights and the education of professionals (Essel et al., 2022; Supriyadi, 2022).

The study's findings also unveiled that ChatGPT has the potential to augment students' knowledge and comprehension. Such technological advancements offer a wealth of information that aids in their educational pursuits. Nevertheless, it is crucial to carefully contemplate the responsible and ethical utilization of this technology, ensuring that its application fosters the development of novel scientific knowledge and the education of future professionals. Students acknowledge the motivational aspect of ChatGPT in two distinct manners: firstly, it serves as a driving force for their scientific paper writing endeavors, and secondly, it encourages their active participation in various learning activities. This indicates that students view ChatGPT as a valuable source of inspiration and assistance, which prompts them to further explore their academic interests. Whether it is by providing guidance in scientific paper writing or offering valuable knowledge and perspectives, ChatGPT is perceived as a catalyst for enhancing scholarly productivity and fostering a continuous pursuit of knowledge. The Engagement indicator highlights ChatGPT's contribution to fostering students' creativity in the realm of education. Interacting with ChatGPT is seen as a means to inspire innovative thoughts and unconventional study methods. Through presenting various viewpoints, sparking new ideas, and proposing solutions, ChatGPT is recognized as a driving force for promoting creative exploration and problem-solving within the educational sphere.

The metrics reflecting satisfaction, motivation, and engagement serve as evidence that students are experiencing the advantages of incorporating ChatGPT into their educational endeavors. Utilizing ChatGPT in a cautious and deliberate manner is essential in order to convert it into a platform for engaging and cutting-edge learning that boosts creativity and learning drive. Students have the opportunity to utilize ChatGPT to reduce their anxiety or worries, as well as to efficiently organize their time for completing tasks. Through the responsible use of ChatGPT, students can enhance not only their educational journey but also nurture a spirit of creativity and innovation while bolstering their motivation to learn. Moreover, ChatGPT functions as a resource for students to alleviate stress and apprehensions while refining their time management abilities for task fulfillment (Haleem et al., 2022; Sallam, 2023).

CONCLUSION

The utilization of ChatGPT in the field of education has demonstrated its versatility as a tool that significantly impacts students' attitudes and approaches to learning. ChatGPT's ability to generate text makes it a useful tool for creating educational materials and promoting interactive learning. In the field of language learning, it can produce real-life conversations, offering learners tangible instances of how language is used in everyday communication. Furthermore, an essential advantage of ChatGPT lies in its capacity to aid students in a variety of academic tasks, including research, explanations, and guidance, making it a valuable asset in their educational endeavors. Research findings indicate that most students acknowledge ChatGPT's role in boosting their motivation levels. Its interactive and engaging nature prompts students to actively engage in the learning process, offering immediate feedback and support that sustains their motivation and concentration on academic studies, thereby leading to enhanced learning outcomes.

Another notable advantage of ChatGPT is its ability to nurture creativity among students. Through interactions with ChatGPT, students are prompted to think critically, explore diverse viewpoints, and generate innovative ideas, thereby enhancing their creative thinking and problem-solving skills. The positive reception from students towards ChatGPT is evident, with many students recognizing it as a valuable source of motivation for learning and academic writing. They value its convenience, accessibility, and personalized assistance, considering ChatGPT as a reliable companion in their English language learning journey. However, it is imperative for students to

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recognize the limitations of ChatGPT's responses. While it can offer valuable guidance, it should not be viewed as a replacement for human interaction and expertise. Students must be mindful that ChatGPT's responses are based on patterns and data, which may not always be entirely accurate or comprehensive. Therefore, students should critically evaluate and verify the information provided by ChatGPT to ensure its reliability and relevance.

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