



Students' Perceptions of Using the OpenAI ChatGPT Application in Improving Writing Skills

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Received: February 2024; Revised: February 2024; Published: March 2024

Abstract

This study investigates the perceptions of utilizing the ChatGPT OpenAI application to enhance students' writing skills. One rapidly developing AI application is ChatGPT, a language model that can assist in writing. The purpose of this study is to explore students' perceptions of using the OpenAI ChatGPT application to improve their writing skills. This research uses a quantitative approach with data collection through a Likert-type closed questionnaire. A total of 82 students from various study programs at Universitas Advent Indonesia who have been using OpenAI ChatGPT for a minimum of four months were respondents in this study. The results show that the majority of respondents have a positive perception of using OpenAI ChatGPT to enhance learning motivation (41.25%), provide comprehensive and easy-to-use features (41%), and help correct grammar errors in writing articles (35.25%). However, some respondents feel neutral about OpenAI ChatGPT's ability to provide explanations that can improve writing skills (37.50%). It can be concluded that the use of OpenAI ChatGPT can be a useful tool in improving students' English writing skills. This study also indicates the potential for further development in providing more in-depth explanations.

Keywords: ChatGPT; OpenAI; writing skills; student perception

How to Cite: Zebua, J., & Katemba, C.V. (2024). Students' Perceptions of Using the OpenAI ChatGPT Application in Improving Writing Skills. *Journal of Language and Literature Studies*, 4(1), 110-123. doi: <https://doi.org/10.36312/jolls.v4i1.1805>



<https://doi.org/10.36312/jolls.v4i1.1805>

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INTRODUCTION

Artificial intelligence (AI) is a rapidly evolving technology with diverse applications (Fitria, 2023). One technology that is developing quickly is AI. The study of computer science's AI aims to address cognitive issues including learning, pattern recognition, and problem-solving, which are typically connected to human intelligence (Fitria, 2021). Artificial intelligence is not limited to serious applications; it is also useful in daily life. When we think of artificial intelligence, the first things that come to mind are job automation, algorithm bias, and technological advancements. AI, however, can be applied in a variety of fascinating and enjoyable ways. As its name implies, artificial intelligence is intelligence produced by cutting-edge technology. Because AI may assist humans in many ways, it is sometimes referred to as "adopting human intelligence."

ChatGPT-3, a free AI language model developed by OpenAI, was made available to the public on November 30, 2022. This model can generate text, respond to queries, and perform operations such as summarization and translation (OpenAI.com, 2022). The features of this language model include generating text, responding to queries, and

carrying out operations like summarization and translation (Agomuoh & Larsen, 2023). In academia, ChatGPT has been utilized as a writing support tool, providing feedback on style, coherence, and grammar, thereby enhancing writing abilities (Aljanabi et al, 2023) highlight important ideas and include reference (Aydın, Ö. & Karaarslan, 2022). This has the potential to increase productivity for researchers and free up their time for more critical work (such as analysis and interpretation). Research has demonstrated that ChatGPT is capable of producing abstracts. (Gao, 2022) high-quality research papers (Kung, 2022), dissertations, and essays (Aljanabi et al, 2023). Prior research demonstrated ChatGPT's ability to produce excellent essays on a variety of subjects. (Susnjak, 2022).

Artificial intelligence (AI) programs, such as ChatGPT, may provide responses in a variety of fields, such as general chat, creative writing, and scientific writing. It has gained popularity as a tool for a variety of uses, including automated content generation, language translation, and natural language processing, to mention a few, because of its capacity to produce coherent and contextually relevant natural language responses. (Golan et al., 2023). Writing is a crucial skill in learning English as a Foreign Language. Students need to master this skill to effectively convey their ideas. It serves as a tool for communication and expression of thoughts (Eliwarti & Purwanti, 2021). According to Yamin (2019), despite its importance, writing is often considered challenging, requiring a high level of cognitive and language skills. Alongside speaking, writing is essential for demonstrating communication competence. Writing serves as a means of expressing ideas rather than proving one is proficient in spelling, punctuation, and grammar.

Rao (2019) emphasizes how important technology is to developing writing skills in the English language. Further Katemba (2022) claimed in her study that English teachers are now using computer technology to grab students' attention and pique their enthusiasm in learning the language. People now have access to information and technologies that can greatly improve their writing skills, which will increase their English communication proficiency thanks to technology improvements. These advancements in technology have highlighted how crucial it is to improve writing abilities in order to keep up with the ever-evolving communication scene. E-learning platforms and online writing tools have revolutionized the acquisition and refinement of writing skills, providing novel and creative avenues for skill development. Writing communities facilitated by technology enable students to share their work and receive feedback, enhancing the learning process (Manullang, H. E., & Katemba, 2023; Katemba, Tobing & Talitha, 2022)

According Huang, J., and Tan (2023) ChatGPT and other AI technologies can help us write better by pointing up possible mistakes, contradictions, or holes in the argument. This can assist human writers in honing their work and making sure that their material is precise, organised properly, and, to the greatest extent feasible, backed up by all relevant data. Additionally, ChatGPT can be particularly beneficial for non-native English speakers, offering assistance with grammar, sentence structure, word suggestions, and text translation. Furthermore, ChatGPT can assist with article title suggestions, abstract expansion or shortening, results discussion, and even creative idea recommendations. It can also identify plagiarism by comparing text to previously published sources, ensuring originality

This study takes a closer look at how students feel about utilizing the ChatGPT OpenAI program to hone their writing abilities. Prior studies in Mahapatra (2024) have demonstrated the beneficial effects of ChatGPT as a feedback tool on ESL students' academic writing abilities. However, this study takes a fresh approach, exploring more deeply how the ChatGPT OpenAI application affects students' writing skill development from their own viewpoints. Analyzing students' happiness with the curriculum as a

means of improving their writing abilities is another major objective of this study. In order to provide deeper and more comprehensive insights into the possibilities and constraints of the ChatGPT OpenAI application in improving students' writing abilities, this research will thus help explore students' perceptions and firsthand experiences with utilizing this program.

Furthermore, according to a different study, prior research has focused more on how students perceive ChatGPT as a tool for helping them write scientific papers (Hasanah & Nurcholis, 2024). The majority of students view ChatGPT favorably and believe it can help them produce better scientific papers in terms of quality, creativity, knowledge, and writing abilities. However, prior research has also shown that some students have trouble accessing ChatGPT and that some students do not fully utilize ChatGPT to assist with writing scientific papers. As a result, this study can offer more details that are more pertinent to the application of ChatGPT in the context of improving writing abilities for English essays, perhaps enhancing the conclusions of earlier studies.

The research aims to delve into students' attitudes towards using the ChatGPT OpenAI application to refine their writing skills. It seeks to understand how students' personal views impact their writing improvement with the ChatGPT OpenAI application and their satisfaction with the curriculum's role in enhancing writing abilities. By investigating students' perceptions of the ChatGPT OpenAI application's advantages, disadvantages, and potential for improving writing skills, the study aims to offer a comprehensive understanding. It also aims to identify factors influencing the acceptance and utilization of the ChatGPT OpenAI application in enhancing students' writing abilities. The novelty of this study lies in its detailed examination of students' perceptions and satisfaction levels, which can provide valuable insights for educators and developers seeking to improve writing instruction through AI applications. The primary research questions are : The primary research questions are: 1) Does OpenAI ChatGPT increase student learning motivation? 2) Does OpenAI ChatGPT provide complete features and easy-to-use procedures? 3) Can OpenAI ChatGPT correct grammatical errors in the article writing process? 4) Can ChatGPT develop your writing skills, especially writing English essays? 5) Does OpenAI ChatGPT provide good explanations so that it can improve your writing skills?

RESEARCH METHOD

This study aims to explore students' perceptions of using the OpenAI ChatGPT application to improve their writing skills. A quantitative approach was used, with data collection conducted through a Likert-type closed questionnaire. According to Bunging in (Ishak et al., 2020), qualitative research was employed to cultivate an understanding of sensitivity to the challenges faced and elucidate the realities linked to the pursuit of grounded theory. This questionnaire was designed to measure the level of agreement or disagreement of respondents with statements related to the use of OpenAI ChatGPT in writing . The population of this study was students of Advent Indonesia University who had been using OpenAI ChatGPT for a minimum of four months. In the sample selection, we used a non-probability method with purposive sampling technique. A total of 82 students from various study programs who met the inclusion criteria became respondents in this study.

The data collection procedure was carried out through online questionnaire distribution using Google Form. A research questionnaire is a tool for collecting data, comprising a series of questions or items aimed at gathering information from respondents. This method allows researchers to gain insights into respondents' knowledge, opinions, attitudes, beliefs, and behavior (Ranganathan & Caduff, 2023). Rooted in a positivist philosophy akin to natural sciences, questionnaires are viewed as a

set of rules for generating knowledge. They are commonly used as a standardized and standardizing instrument to ask participants a predetermined set of questions. The questionnaire consists of 20 question items divided into five research questions. Respondents were asked to provide their responses using a Likert scale with five options: Strongly Disagree (1), Disagree (2), Neutral (3), Agree (4), Strongly Agree (5).

Data analysis was carried out using descriptive analysis. According to (Ishak et al., 2020), descriptive analysis is a technique for analyzing research data that is used to determine whether study findings from a particular sample may be generalized. Meanwhile, according to Sugiyono in (Kusuma & Mahardi, 2021), descriptive analysis research is a type of research conducted to obtain descriptions or characteristics of data through an analysis of the data as it is, without making general conclusions. The population and sample are chosen as the variables to be examined in this descriptive analysis study. Descriptive hypothesis testing is used in this analysis to evaluate the generalizability of the research idea. When the null hypothesis (H_0) is accepted, the study's findings are regarded as broadly applicable. Without conducting comparisons or analyzing correlations between variables, this descriptive analysis employs one or more variables on an individual basis. Therefore, the purpose of this descriptive analysis research is to determine the data figures derived from the percentage feasibility aspects computation. The results of the questionnaire were analyzed to observe the frequency distribution and percentage of responses for each question item. Additionally, t-tests or ANOVA tests could also be conducted to examine significant differences between different respondent groups, if any. The chosen methodological approach in this research is based on a quantitative approach to systematically collect and objectively analyze data. This approach was chosen because the aim was to gain a clear picture of students' perceptions regarding the use of OpenAI ChatGPT. The quantitative approach allows for the measurement of specific variables numerically and making generalizations about a larger population. The researcher acknowledges that this method has its strengths and weaknesses. One of its strengths is its ability to provide quantifiable data, enabling more objective analysis. However, its weakness lies in the lack of depth in understanding the qualitative factors that may influence students' perceptions.

RESULTS AND DISCUSSION

The results and discussion contain scientific research findings and discussions. Write down scientific findings obtained from the results of research that has been done but must be supported by adequate data. The scientific findings referred to here are not the results of the research data obtained. The scientific findings must be explained scientifically including: What scientific findings were obtained? Why did that happen? Why are trend variables like that? All these questions must be explained scientifically, not only descriptive if necessary supported by adequate scientific basis phenomena.

Based on the results obtained, it can be discussed that there are 5 research questions that have been answered using 20 research questionnaire items. Each research question contains 4 questionnaire items with the details as follows:

Research question 1: “Does OpenAI ChatGPT increase student learning motivation?”

There are 4 parameters for answering this research question, consisting of 1) OpenAI ChatGPT increases student motivation to learn. 2) I feel that OpenAI ChatGPT helps me better understand concepts in essays. 3) With OpenAI ChatGPT, I have more confidence in writing my academic texts, especially in writing my English essay writing. 4) You do not feel difficulty in using OpenAI ChatGPT in the process of writing an article.

From these research questions, the results obtained from the questionnaire questions were:

Table 1. OpenAI ChatGPT to Increase Student Learning Motivation

No.	Questions	Likert scale				
		Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	OpenAI ChatGPT increases student motivation to learn.	5%	10%	27%	44%	14%
2	You do not feel difficulty in using OpenAI ChatGPT in the process of writing an article.	2%	3%	43%	46%	21%
3	With OpenAI ChatGPT, I have more confidence in writing my academic texts, especially in writing my English essay writing.	4%	6%	35%	35%	20%
4	I feel that OpenAI ChatGPT helps me better understand concepts in essays.	4%	5%	28%	40%	23%
Total		3.75%	6.00%	33.25%	41.25%	19.50%

From the table above, it can be concluded that the use of OpenAI ChatGPT can increase students' learning motivation. This is supported by the high number of respondents (41.25%) who said they agreed, and a significant number of respondents said utilizing OpenAI ChatGPT made creating articles very simple. If we look at each question, on average respondents agree that OpenAI ChatGPT will increase students' learning motivation (44%), boost confidence in writing essays (35%), and with OpenAI ChatGPT, students feel assisted in understanding concepts in essays (40%). The study by Maulana et al (2023) indicating that ChatGPT can help pupils. If used properly and wisely, ChatGPT can be a fun tool, utilized by students in interactive learning, for example, the use of ChatGPT in testing students' understanding to comprehend a learning material by providing response answers to the questions given.

The integration of Information and Communication Technology (ICT) tools, such as ChatGPT, into the process of learning writing skills has significantly streamlined the task for students. These technological advancements offer a user-friendly platform for students to effortlessly complete their writing assignments. By leveraging ChatGPT, students find it convenient to compile their thoughts and ideas into coherent written pieces. The process is simplified as students merely need to input relevant cues or clues pertaining to their writing topics into the chat room, and the machine generates elaborated sentences or paragraphs based on these inputs. This capability of ChatGPT to expand on the provided prompts aids students in developing and refining their writing ideas, thereby enhancing their overall writing proficiency. However, despite the apparent benefits, it's essential to recognize and address the potential negative effects associated with the reliance on ICT tools for developing writing skills. One significant concern is the risk of dependency, wherein students may become overly reliant on ChatGPT or similar technologies to generate content. This overreliance may hinder the development of essential writing skills, such as critical thinking, creativity, and originality. Students may become passive recipients of information rather than actively engaging in the

writing process, leading to a stagnation in their ability to independently formulate and express ideas.

Furthermore, the use of AI-powered writing tools like ChatGPT may inadvertently promote plagiarism and academic dishonesty. While the machine-generated content may be original, students may fail to properly attribute ideas or sources, leading to unintentional plagiarism. This undermines the integrity of academic work and inhibits the cultivation of ethical writing practices. Moreover, the overemphasis on ICT tools for writing skills development may neglect the importance of fundamental writing principles and techniques. Students may prioritize efficiency over quality, sacrificing the nuances of language and style in favor of expedience. This could result in a superficial understanding of writing concepts and a lack of depth in written compositions.

Research Question 2: “Does OpenAI ChatGPT provide complete features and easy-to-use procedures?”

In addressing this research question, it is essential to consider four key parameters that contribute to the evaluation of OpenAI ChatGPT. Firstly, the platform boasts comprehensive features and user-friendly procedures, facilitating seamless interaction and utilization. Its accessibility and intuitive design enhance its appeal for various tasks. Secondly, the flexibility inherent in OpenAI ChatGPT distinguishes it from other tools. This adaptability enables users to tailor their experiences according to specific needs and preferences, accommodating diverse writing styles and objectives. Thirdly, personal user experiences highlight the ease of use associated with OpenAI ChatGPT. From drafting essays to composing scholarly articles, users attest to the platform's simplicity and efficiency, streamlining the writing process. Finally, the comparative analysis of features positions OpenAI ChatGPT favorably against alternative grammar checkers. Its extensive functionality and superior capabilities set it apart, garnering favor among users seeking comprehensive and reliable assistance. These parameters collectively underscore the significance and effectiveness of OpenAI ChatGPT in addressing various writing needs, emphasizing its value within the realm of language processing tools. From these research questions, the results obtained from the questionnaire can be presented in Table 2.

Table 2. OpenAI ChatGPT in Provide Complete Features and Easy-To-Use Procedures

No.	Questions	Likert Scale				
		Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	OpenAI ChatGPT provides complete features and easy-to-use procedures.	3%	5%	7%	51%	34%
2	The OpenAI ChatGPT is very flexible in its use.	3%	4%	13%	52%	28%
3	I think OpenAI ChatGPT is really easy to use for writing my essay	5%	4%	24%	32%	35%
4	I like to use OpenAI ChatGPT because it has many good features compared to any other of grammar checkers tools.	5%	9%	39%	29%	18%
Total		4.00%	5.50%	20.75%	41.00%	28.75%

Based on these results, it can be concluded that many respondents agree that OpenAI ChatGPT provides comprehensive features and easy-to-use procedures. This is evidenced by the average result of the respondents, which is 41%. It can also be seen in

each question where many respondents agree that OpenAI ChatGPT provides features that are easy to use (51%), flexible when used (52%), and easy to use when writing an essay (32%). This is supported by research stating that the benefits and ease provided by ChatGPT are very attractive to its users, including students (Mairisiska & Qadariah, 2023). However, some feel neutral in feeling that OpenAI ChatGPT has good features compared to other grammar tools, as evidenced by questionnaire results that received a neutral answer of 39%. A journal states that there are other applications or websites that are better, research suggests that overall Perplexity is considered more credible than ChatGpt in answering other issues (Falah & Nerisma Eka Putri, 2023).

The evolution of Information and Communication Technology (ICT), exemplified by advancements like OpenAI ChatGPT, has undoubtedly revolutionized the learning landscape, particularly for EFL learners. This development offers a plethora of benefits, primarily streamlining the writing process and enhancing accessibility for students (Haerazi, 2023; Fatiani et al., 2021). EFL learners often encounter challenges in expressing themselves proficiently in writing, and technologies like OpenAI ChatGPT serve as valuable aids in overcoming these obstacles. Students perceive such tools as indispensable resources, instrumental in facilitating the completion of writing assignments efficiently. By harnessing the features of ChatGPT, learners can generate ideas and receive real-time feedback, augmenting their writing prowess. However, amidst the undeniable advantages, it's crucial to acknowledge the potential negative ramifications of ICT developments in education (Karya et al., 2022; Nduwimana & Ndoricimpa, 2023). One significant concern is the risk of overreliance on technology, leading to a decline in critical thinking and creativity. When students become accustomed to using AI-powered tools like ChatGPT for generating ideas and composing texts, they may rely less on their own cognitive processes, diminishing their ability to think independently and innovate.

Additionally, there's a risk of dependency on technology, wherein students may struggle to perform writing tasks without the aid of such tools, thus hindering their development of essential skills. Moreover, the accessibility and ease of use afforded by ICT can inadvertently contribute to plagiarism and academic dishonesty. With the vast array of information readily available online, students may succumb to the temptation of copying content generated by AI models like ChatGPT without proper attribution or understanding. This undermines the integrity of academic work and inhibits the development of original thought and research skills. Furthermore, the digital divide exacerbates inequalities in access to technology and digital literacy skills among students. While some learners may benefit immensely from ICT developments, others, particularly those from underserved communities or with limited access to technology, may be left behind, widening educational disparities. While ICT developments such as OpenAI ChatGPT offer invaluable support for EFL learners in completing writing tasks, it's imperative to address and mitigate the potential negative effects (Haerazi, 2023). Educators and policymakers must promote responsible and ethical use of technology, foster critical thinking skills, and ensure equitable access to digital resources to maximize the benefits of ICT while mitigating its drawbacks.

Research Question 3: “Can OpenAI ChatGPT correct grammatical errors in the article writing process?”

In addressing this research question, it is pertinent to consider four key parameters that contribute to the evaluation of OpenAI ChatGPT's effectiveness in grammar checking. Firstly, the confidence in grammatical correctness that the platform instills in users is notable. Through its comprehensive grammar checking capabilities, OpenAI

ChatGPT provides assurance regarding the accuracy of written content, enhancing the quality of communication. Secondly, the endorsement of OpenAI ChatGPT for grammar error detection in English essay writing underscores its efficacy in this specific domain. Users widely recommend the platform for its ability to identify and rectify grammatical inaccuracies, thereby improving the overall coherence and clarity of written compositions.

Thirdly, the utility of OpenAI ChatGPT in the context of article writing is evident. By offering valuable assistance in correcting grammatical errors throughout the writing process, the platform facilitates the creation of polished and professional-grade content, enhancing the credibility and readability of articles. Lastly, personal preference and habitual usage further validate OpenAI ChatGPT as the preferred grammar checker tool for English essay writing. The platform's consistent reliability and user-friendly interface contribute to its prominence among individuals seeking proficient grammar checking solutions. These parameters collectively underscore the significance and efficacy of OpenAI ChatGPT in the realm of grammar checking, highlighting its role in enhancing linguistic accuracy and precision across various writing contexts. From these research questions, the results obtained from the questionnaire questions can be presented in Table 3.

Table 3. OpenAI ChatGPT in Correcting Grammatical Errors in the Article Writing Process

No.	Questions	Likert Scale				
		Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	I'm sure with the correctness of grammar by using OpenAI ChatGPT.	3%	7%	35%	42%	13%
2	The grammar checker tool that I usually use for checking my English essay writing grammar is OpenAI ChatGPT	9%	9%	40%	30%	12%
3	OpenAI ChatGPT is beneficial to correct your grammatical errors in the process of writing an article.	4%	5%	39%	35%	17%
4	It is really recommended to use OpenAI ChatGPT for checking the grammar errors of an English essay writing	6%	11%	32%	34%	17%
Total		5.50%	8.00%	36.50%	35.25%	14.75%

From the third research question, it was found that students feel neutral about whether OpenAI ChatGPT improves grammar errors in the process of writing articles. This is evidenced by the large average respondent score of 36.50%. From each question, neutral results were also obtained in the statement that most students use OpenAI ChatGPT to check grammar in English essays (40%) and find it useful in the process of writing an article (39%). These neutral results could be because respondents feel that there are websites or grammar checking tools that are better than OpenAI ChatGPT. Like in A. younis et al (2023) study which states that although ChatGPT is an outstanding language model with great potential, this model should not be considered a direct replacement for Grammarly Premium and QuillBot in its current form. Instead, it can complement Grammarly and other writing aids by offering a range of different capabilities, particularly in content creation and idea generation. However, some

respondents also feel agreeable and confident with the grammar results from OpenAI ChatGPT (42%) and recommend OpenAI ChatGPT as a tool to check grammar errors in English essays (34%).

Research Question 4: “Can ChatGPT develop your writing skills, especially writing English essays?”

In addressing this research question, it is imperative to consider four key parameters that contribute to the evaluation of OpenAI ChatGPT's impact on writing skills development, particularly in the context of English essay writing. Firstly, the platform's utility in enhancing writing proficiency is evident. OpenAI ChatGPT serves as a valuable tool for honing skills, providing users with the resources and guidance necessary to refine their writing abilities. Its effectiveness in this regard is particularly pronounced in the realm of English essay writing, where linguistic precision and coherence are paramount. Secondly, the platform's capacity to offer constructive feedback and suggestions for improvement is noteworthy. By analyzing text inputs and identifying areas for enhancement, OpenAI ChatGPT facilitates iterative refinement, empowering users to elevate the quality of their written compositions.

Thirdly, the tangible impact of utilizing OpenAI ChatGPT on essay writing effectiveness is observable. Users report increased efficiency and competence in tackling writing tasks, attributing their progress to the guidance and support provided by the platform. Finally, the propensity to rely on OpenAI ChatGPT for English essay writing underscores its perceived value and efficacy. As users become accustomed to the platform's assistance and recognize its role in facilitating their writing process, they develop a preference for its use, further solidifying its position as a trusted resource. These parameters collectively underscore the significance of OpenAI ChatGPT as a facilitator of writing skills development, highlighting its instrumental role in fostering proficiency and success in English essay writing endeavors. From these research questions, the results obtained from the questionnaire questions can be seen in Table 4.

Table 4. ChatGPT in Developing Writing Skills

No.	Questions	Likert Scale				
		Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	OpenAI ChatGPT makes helpful suggestions for improving my English essay writing	3%	5%	32%	44%	16%
2	OpenAI ChatGPT is very useful in developing my writing skills, especially for my English essay writing	4%	6%	34%	40%	16%
3	I am more effective in tackling essay writing tasks after using OpenAI ChatGPT.	5%	4%	30%	41%	20%
4	I tend to rely on OpenAI ChatGPT when writing English essays.	6%	7%	35%	37%	15%
Total		4.50%	5.50%	32.75%	40.50%	16.75%

From the results of the questions, it can be concluded that on average, respondents agree that OpenAI ChatGPT develops students' writing abilities, especially in writing English essays, as evidenced by an average respondent score of 40.50%. Based on the average of the questions, respondents also agree that OpenAI ChatGPT can provide

useful suggestions for improving English essay writing (44%), is useful in developing writing skills, especially for English essay writing (40%), feel more effective in handling essay writing tasks after using OpenAI ChatGPT (41%), and tend to rely on OpenAI ChatGPT when writing English essays (37%). This is supported by study findings that show ChatGPT can be used to help students write essays in English classes and can have a big positive impact. The application of ChatGPT can improve performance in essay writing. By implementing the use of ChatGPT, students can improve their ability to generate ideas and understand the structure and style of their essay writing. Students can be creative in enhancing and developing their English language skills, especially in writing (Wahyuddin et al., 2023).

Research Question 5: “Does OpenAI ChatGPT provide good explanations so that it can improve your writing skills?”

In addressing this research question, it is essential to consider four key parameters that contribute to the evaluation of OpenAI ChatGPT's role in improving writing skills, particularly regarding English grammar. Firstly, the platform's provision of explanations serves as a valuable resource for enhancing writing proficiency. OpenAI ChatGPT not only identifies errors but also elucidates the underlying grammar rules, empowering users to grasp the intricacies of language construction and usage. This educational aspect fosters a deeper understanding of English grammar principles, thereby facilitating skill development and refinement. Secondly, personal experiences attest to the platform's efficacy in enhancing comprehension of grammar rules. Through its guidance and feedback mechanisms, OpenAI ChatGPT aids users in consolidating their knowledge of English grammar, thereby bolstering their confidence and competence in writing tasks. Thirdly, the clarity of explanations provided by OpenAI ChatGPT is commendable.

The platform ensures that users are not overwhelmed or confused by complex linguistic concepts, presenting explanations in a clear and accessible manner. This accessibility enhances the learning experience, enabling users to absorb information effectively and apply it to their writing endeavors. Finally, the comprehensive coverage of grammar topics by OpenAI ChatGPT underscores its utility as a learning tool. From subjects and verbs to pronouns and prepositions, the platform addresses a wide range of grammatical elements, catering to diverse writing needs and scenarios. These parameters collectively highlight the significance of OpenAI ChatGPT in facilitating the acquisition and application of English grammar knowledge, ultimately contributing to the improvement of writing skills among users. From these research questions, the results obtained from the questionnaire questions in Table 5.

Table 5. OpenAI ChatGPT in Provide Good Explanations

No.	Questions	Likert Scale				
		Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	OpenAI ChatGPT provides explanations that can improve your writing skills.	4%	8%	34%	32%	22%
2	OpenAI ChatGPT can cover the use of subjects, verbs, pronounce, and prepositions.	3%	1%	43%	40%	13%
3	OpenAI ChatGPT does not make you confuse because the explanation is easy to understand	5%	3%	32%	33%	27%
4	I think OpenAI ChatGPT has	4%	6%	41%	34%	15%

helped me to more understand about English grammar rules.						
	Total	4.00%	4.50%	37.50%	34.75%	19.25%

From the results of the fifth research question, it can be seen that on average respondents feel neutral about the statement that OpenAI ChatGPT provides good explanations that can improve writing skills, as evidenced by an average respondent score of 37.50%. Based on the average of the questions, it was also found that most respondents feel neutral about whether OpenAI ChatGPT provides explanations that can improve writing skills (34%), whether OpenAI ChatGPT can cover the use of subjects, verbs, pronunciation, and prepositions (43%), and whether OpenAI ChatGPT has helped students to better understand English grammar rules (41%). Based on Song & Song (2023) research, it can be concluded that the use of OpenAI ChatGPT in language learning has a positive impact on the academic writing ability and writing motivation of Chinese EFL students. According to the quantitative findings, academic writing skills and writing motivation are more developed and performed in classes with AI support than in those without. Nonetheless, the findings indicate that 33% of participants concur that OpenAI ChatGPT is simple to use and does not require much explanation.

Based on the research results, it can be concluded that the use of OpenAI ChatGPT has a positive impact on students' learning motivation and writing abilities. From the questionnaire results, most respondents agree that OpenAI ChatGPT can increase students' learning motivation (41.25%), provide complete features and easy-to-use procedures (41%), and help in correcting grammatical errors in writing articles (35.25%). However, some respondents feel neutral about OpenAI ChatGPT's ability to provide explanations that can improve writing skills (37.50%) and understand English grammar rules (34.75%). This study supports the use of ChatGPT in improving students' English writing skills, but also indicates that there is room for improvement in providing better explanations.

CONCLUSION

The findings of this study suggest a predominantly positive perception among respondents regarding the utility of OpenAI ChatGPT in enhancing writing skills, motivation, and usability. While a notable portion of respondents remains neutral, the overall sentiment leans towards acknowledging the effectiveness of OpenAI ChatGPT as a valuable tool for writing improvement. The majority of respondents felt that using OpenAI ChatGPT increased their motivation to learn (41.25%), provided comprehensive features and easy-to-use procedures (41%), and helped in correcting grammatical errors in writing articles (35.25%). However, some respondents were neutral about OpenAI ChatGPT's ability to provide explanations that could improve writing skills (37.50%) and understanding of English grammar rules (34.75%). ICT tools like ChatGPT offer valuable support for students in learning writing skills, it's crucial to mitigate the potential negative effects. Educators should promote a balanced approach to writing instruction, integrating technology judiciously while emphasizing the importance of critical thinking, creativity, and ethical writing practices. By fostering a holistic approach to writing skills development, students can harness the benefits of ICT tools while cultivating essential writing competencies for academic and professional success.

Reflective insights into this research process reveal the complexity of integrating AI tools like OpenAI ChatGPT into educational settings. While the technology shows promise in enhancing writing skills and motivation, it also highlights the need for continuous development and improvement. The neutral responses regarding the

explanations provided by ChatGPT suggest that there is room for enhancement in the tool's ability to provide thorough and meaningful feedback. This reflects the broader challenge of integrating AI into education, where balancing technological capabilities with pedagogical needs is crucial. Furthermore, this study underscores the importance of considering multiple perspectives when evaluating the impact of AI tools in education. While the majority of respondents viewed ChatGPT positively, the neutral responses indicate that not all users may experience the same benefits. This highlights the need for further research to explore how different students and educators perceive and interact with AI tools like ChatGPT.

RECOMMENDATION

ChatGPT Open AI, is recommended since the students appreciate it because it is easy for learning writing essays and attractive for the students. It is also an interactive learning in the classroom and outside of the classroom. It is advised that educators or curriculum designers incorporate ChatGPT into the lesson plans so that students can utilize it for homework assignments or for in-class writing assignments. Recommendations for future research include conducting a comparative study between the use of ChatGPT OpenAI and other writing assistance tools, such as Grammarly, to evaluate their relative effectiveness in improving students' writing skills. Further research is necessary to determine the variables, such as comfort level and ease of usage, that may affect students' opinions of utilizing these apps. One of the barriers in this research is that it is limited to chat-based AI research only. For future research, it is recommended to reassess whether the language generated by ChatGPT can affect the quality of responses suitable for future learning materials.

ACKNOWLEDGMENT

The researcher would like to thank Mrs. Hotmaida Simbolon, and Faozanolo Zebua who financially supported this study, and special thanks to my supervisor for guiding and assisting me in doing this research.

REFERENCES

- Ayounis, H., Osamah Mohammed, Muthmainnah, Sahib, T. M., Akhtom, D., Hayder, I. M., Salisu, S., & Shahid, M. (2023). ChatGPT Evaluation: Can It Replace Grammarly and Quillbot Tools? *British Journal of Applied Linguistics*, 3(2), 34–46. <https://doi.org/10.32996/bjal.2023.3.2.4>
- Agomuoh, F., & Larsen, L. (2023). *ChatGPT: The Latest News, Controversies, and Tips You Need To Know*. Digitaltrends. <https://www.digitaltrends.com/computing/how-to-use-openai-chatgpt-text-generation-chatbot/>
- Aljanabi, M., Ghazi, M., Ali, A. H. & Abed, S. A. (2023). ChatGpt: Open Possibilities. *Iraqi J Comput. Sci. Math*, 4, 62–64.
- Aydın, Ö. & Karaarslan, E. (2022). OpenAI ChatGPT Generated Literature Review: Digital Twin In Healthcare. *Emerg. Comput. Technol*, 2, 22–31.
- Eliwanti, & Purwanti, I. T. (2021). The Effect of Journal Writing Technique on Students' Writing Ability. *International Journal of Educational Best Practices (IJEBCP)*, 5(2), 183–196. <https://doi.org/10.32851/ijeep.v5n2.p183-196>
- Falah, M. B., & Nerisma Eka Putri. (2023). Artificial Intelligence Berbasis Chatbot: Sarana Baru Panduan Hukum Keluarga Digital. *QISTHOSIA : Jurnal Syariah Dan Hukum*, 4(2), 126–140. <https://doi.org/10.46870/jhki.v4i2.765>
- Fatiani, T. A., Rahman, A., & Jupri, J. (2021). Practicing Cooperative Learning Model Using Picture Cube and Story Marker to Improve Writing Skills. *Journal of Language and Literature Studies*, 1(1), 29–40. <https://doi.org/10.36312/jolls.v1i1.500>

- Fitria, T. N. (2021). Artificial Intelligence (Ai) in Education: Using Ai Tools for Teaching and Learning Process. *Prosiding Seminar Nasional & Call for Paper STIE AAS*, 4(1), 134–147. <https://prosiding.stie-aas.ac.id/index.php/prosenas/article/view/106>
- Fitria, T. N. (2023). Augmented Reality (AR) and Virtual Reality (VR) Technology in Education: Media of Teaching and Learning: A Review. *International Journal of Computer and Information System (IJCIS) Peer Reviewed-International Journal*, 04(01), 2745–9659. [https://ijcis.net/index.php/ijcis/index](https://ijcis.net/index.php/ijcis/indexJournalIJCIShomepage-https://ijcis.net/index.php/ijcis/index)
- Gao, C. A. et al. (2022). Comparing Scientific Abstracts Generated by Chatgpt To Original Abstracts Using An Artificial Intelligence Output Detector, Plagiarism Detector, and Blinded Human Reviewers. *BioRxiv*.
- Golan, R., Reddy, R., Muthigi, A., & Ramasamy, R. (2023). Artificial Intelligence In Academic Writing: A Paradigm-Shifting Technological Advance. *Nat Rev Urol*, 20(6), 327–328.
- Haerazi, H. (2023). MALL integrated with metacognitive skills to promote preservice English teachers' intercultural communicative competence. *Journal on English as a Foreign Language*, 13(2), 581–609. <https://doi.org/10.23971/jefl.v13i2.6536>
- Haerazi, H. (2023). Mobile-Assisted Flipped Learning Integrated with Metacognitive Skills in the Teaching of Speaking and Listening Skills. *Journal of English Education and Teaching*, 7(3), 632–651. <https://doi.org/10.33369/jeet.7.3.632-651>
- Hasanah, U., & Nurcholis, I. A. (2024). *English Education Students' Perception of the Use of ChatGPT in Writing Articles*. 2, 1–10.
- Huang, J., and Tan, M. (2023). The Role Of Chatgpt In Scientific Communication: Writing Better Scientific Review Articles. *Am. J. Cancer Res*, 13, 1148–1154.
- Ishak, N. I., Dj., M. Z., & Nur, H. (2020). Descriptive Analysis of The English Teacher's Code Switching. *International Journal of Research on English Teaching and Applied Linguistics*, 1(1), 28–38. <https://doi.org/10.30863/ijretal.v1i1.1196>
- Karya, P. J., Takarroucht, K., Zano, K., & Zamorano, A. (2022). Developing the Prototype of Picture-Based Learning Materials in the Teaching of Speaking Skills. *Journal of Language and Literature Studies*, 2(2), 109–116. <https://doi.org/10.36312/jolls.v2i2.763>
- Katemba, C. V. (2022). Vocabulary Enhancement Through Multimedia Learning Among Grade 7th EFL Students. *Mextesol Journal*, 46(1).
- Kung, T. H. et al. (2022). Performance of ChatGPT on USMLE: Potential for AI-Assisted Medical Education Using Large Language Models. *MedRxiv*.
- Kusuma, A. M., & Mahardi, P. (2021). Analisis Deskriptif Terhadap Pengembangan Media Pembelajaran E-Modul Interaktif Berbasis Software Aplikasi Lectora Inspire. *Jurnal Kajian Pendidikan Teknik Bangunan (JKPTB)*, 07, 1–11.
- Mahapatra, S. (2024). Impact of Chatgpt On ESL Students' Academic Writing Skills: A Mixed Methods Intervention Study. *Smart Learning Environments*, 11(1). <https://doi.org/10.1186/s40561-024-00295-9>
- Mairisiska, T., & Qadariah, N. (2023). Persepsi Mahasiswa FTIK IAIN Kerinci Terhadap Penggunaan Chatgpt Untuk Mendukung Pembelajaran Di Era Digital. *Jurnal Teknologi Pembelajaran Indonesia*, 13, 1–10.
- Manullang, H. E., & Katemba, C. V. (2023). Students' Perception Toward Instagram Usage In Writing Skill. *English Journal*, 13, 1–10. <https://doi.org/10.32832/english.v17i1.12561>
- Maulana, M. J., Darmawan, C., & Rahmat, R. (2023). Penggunaan Chatgpt Dalam Tinjauan Pendidikan Berdasarkan Perspektif Etika Akademik. *Bhineka Tunggal Ika*:

- Kajian Teori Dan Praktik Pendidikan PKN*, 10(1), 58–66.
<https://doi.org/10.36706/jbti.v10i1.21090>
- Nduwimana, A., & Ndoricimpa, C. (2023). The Use of ICT Tools in Learning English Autonomously. *Journal of Languages and Language Teaching*, 11(4), 696.
<https://doi.org/10.33394/jollt.v11i4.8608>
- OpenAI.com. (2022). *ChatGPT: Optimizing Language Models for Dialogue*. OpenAI.
<https://openai.com/blog/chatgpt/>
- Ranganathan, P., & Caduff, C. (2023). Designing and Validating a Research Questionnaire - Part 1. *Perspectives in Clinical Research*, 14(3), 152–155.
https://doi.org/10.4103/picr.picr_140_23
- Rao, P. S. (2019). The role of English as a global language. *Research Journal of English*, 4(1), 65–79.
- Song, C., & Song, Y. (2023). Enhancing Academic Writing Skills and Motivation: Assessing The Efficacy of Chatgpt In AI-Assisted Language Learning For EFL Students. *Frontiers in Psychology*, 14(December), 1–14.
<https://doi.org/10.3389/fpsyg.2023.1260843>
- Susnjak, T. (2022). ChatGPT: The End of Online Exam Integrity?. *ArXiv*, 1–21.
<https://arxiv.org/pdf/2212.09292.pdf>
- Wahyuddin, Hasman, & Idris, A. R. (2023). Implementation Of Chatgpt On English Class Essay Writing Skills In University Students. *ELS Journal on Interdisciplinary Studies in Humanities*, 6(4), 2023. <https://doi.org/10.34050/elsjish.v6i4.31424>
- Yamin, M. (2019). Learning From Students' Experiences in Writing Paragraphs. *Metathesis: Journal of English Language, Literature, and Teaching*, 3(2), 188–202.