



## Students' Attitude Toward Open AI ChatGPT in Writing Academic Articles

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**Abstract** The study analyzed the perspectives of English Education Department students on Chat-GPT in academic writing. The results showed that students have positive attitudes towards AI, stating it enhances grammar, sentence structure, rephrasing, and idea expansion. However, they also believe AI can hinder innovation, encourage plagiarism, and foster reliance, which can hinder the overall academic writing process. The study used a qualitative methodology and questionnaires to gather data.

**Keywords:** Attitude; Academic Article; ChatGPT

**Abstrak** Penelitian ini menganalisis perspektif mahasiswa Jurusan Pendidikan Bahasa Inggris tentang Chat-GPT dalam penulisan akademik. Hasil penelitian menunjukkan bahwa mahasiswa memiliki sikap positif terhadap AI, dengan menyatakan bahwa AI dapat meningkatkan tata bahasa, struktur kalimat, pengulangan kata, dan perluasan ide. Namun, mereka juga percaya bahwa AI dapat menghambat inovasi, mendorong plagiarisme, dan menumbuhkan ketergantungan, yang dapat menghambat proses penulisan akademis secara keseluruhan. Penelitian ini menggunakan metodologi kualitatif dan kuesioner untuk mengumpulkan data.

**Kata Kunci:** Sikap; Artikel Akademik; ChatGPT

## **INTRODUCTION**

There has been a significant increase in artificial intelligence (AI) use in the education sector in recent years. The impact of AI on education is undeniable and unmissable. With each passing year, the use of AI algorithms and systems is gaining steam (Chen et al., 2020). Using AI in education can transform how students learn and acquire knowledge. AI technology can enhance students' learning experience by providing personalized and flexible training.

Since its debut in November 2022, open AI's Chat GPT app has become a massive success, with nearly 600 million users as of January 2023 (Wei, 2023). This is a remarkable achievement and a testament to the app's usefulness and popularity. The app has been embraced by people from all around the world, making it a global phenomenon. Chat GPT language model is an innovative technology that has the potential to impact education greatly (Mhlanga, 2023). It can, for instance, evaluate students' academic development and adapt teaching techniques to meet their educational needs.

Chat GPT is a sophisticated language model with four key features (Lin, 2023), such as (1) generative: generating natural, coherent, and context-based responses; (2) flexible: handling any input length and adapting to any topic or field; (3) context-aware: providing relevant responses by understanding input within context and (4) personalized: learning and adapting to different styles and tones of language by training on diverse data. Its system aims to generate writings that closely resemble human-created information. It excels at conversing with users in a refreshingly straightforward way to understand. This chatbot is a remarkable example of cutting-edge technology in its field. This chatbot is capable of producing high-quality language quickly, unlike previous versions. There has been much talk and worry about student evaluation in higher education, as well as other related concerns (Rudolph et al., 2023).

ChatGPT's application in education has generated considerable interest due to its ability to improve student's educational experience (Montenegro-Rueda et al., 2023). This system is designed to meet the unique needs of every learner, providing quick and customized solutions and improving understanding of complex concepts through fast feedback. By adjusting to a student's learning

speed and offering continuous support in acquiring information, this tool shows excellent potential for boosting a student's active participation and cognitive development (Sánchez, 2023).

There is a distinction between academic writing and general or personal writing. Academic writing plays a vital role in scholarly research, allowing researchers to reflect on and analyze their knowledge, observations, applications, and experiments (Akkaya & Aydin, 2018). Proficiency in academic writing is essential for academics, especially students specializing in English education. Students are typically required to complete specific courses as part of their educational program, like the Critical Academic Writing course. Academic writing is mandatory for students at the State Islamic University of Lampung in Indonesia to earn their degree. However, crafting a research paper can be daunting, even for experienced writers (Mondal & Mondal, 2023). Successfully conducting research, organizing ideas, and presenting findings requires considerable effort, dedication, and knowledge.

AI has demonstrated impressive abilities in academic writing (Osorio, 2023). AI tools offer students instant feedback on their work, assisting them in enhancing their grammar, style, and overall coherence. Instant feedback enables students to correct errors promptly and gain knowledge from them. In addition, AI can help identify plagiarism by comparing students' assignments with an extensive database of previous texts, thus ensuring academic honesty.

Several researchers have conducted studies exploring the application of ChatGPT in academic writing. Based on a survey, ChatGPT has many applications, including information retrieval, question answering, and socializing with peers (Fitria, 2021). ChatGPT is known for its effectiveness in streamlining the writing process. Researchers should consider ChatGPT a valuable tool to enhance the production of high-quality scientific papers more efficiently (Benichou, 2023). In addition, ChatGPT can help authors summarize research findings, compose abstracts, and analyze written content (Bom, 2023).

Implementing proactive measures is crucial to prevent the potential misuse of ChatGPT in scientific writing, regardless of the positive outcomes it may have (Yusuf, 2023). Several vital issues related to the inclusion of ChatGPT in the scientific literature are being discussed, such as ethical considerations,

legal implications, innovation, precision, bias, and transparency (Biswas, 2023). In addition, while ChatGPT helps correct grammar, it is not recommended for generating full texts or articles (Marescotti, 2023) due to its questionable reliability. It cannot create references or a bibliography (Mach, 2023).

However, it is essential to consider students' perspectives when incorporating ChatGPT in academic writing. For some people, it is a helpful tool that improves their learning experience and enables them to create high-quality work. Some people may have concerns about the reliability and accuracy of the feedback given by AI or worry that it could replace the personalized guidance and human interaction teachers offer. Understanding and addressing these mindsets is crucial for successfully incorporating AI into education.

It is crucial to conduct thorough research and gather student feedback to gain insight into students' perspectives on using ChatGPT in academic writing. Students can express their thoughts and concerns openly by participating in questionnaires, focus groups, and interviews. To ensure that AI is seen as a valuable tool rather than something to be feared, educators and developers can actively involve students in decision-making and address any concerns.

A limited amount of research specifically focuses on the opinions of English Education Department students regarding ChatGPT in academic writing. Therefore, this study aims to fill this gap by investigating the perspectives of English Education Department students on academic writing with the support of ChatGPT. The study explores the factors influencing students' attitudes toward ChatGPT and the potential benefits and challenges associated with its use in academic writing. This study will make a valuable contribution to developing effective writing instruction in the context of AI-assisted learning.

## **METHOD**

This study aims to investigate English Education Students' attitudes toward the use of ChatGPT in academic writing. Furthermore, it intends to examine the perceived benefits and challenges of utilizing ChatGPT in academic writing. Therefore, the writers employed qualitative research methodology.

Qualitative research is a proper methodology for conducting the study in a natural setting (Khan, 2014).

Additionally, qualitative research allows for a deeper understanding of the participants' experiences, perceptions, and emotions related to using ChatGPT in academic writing. By employing this research methodology, the researchers could gather rich, detailed data that would provide valuable insights into attitudes toward AI-assisted learning. Through qualitative research, the researchers could delve into the nuances of these attitudes and gain a comprehensive understanding of the participants' perspectives.

The participants of this study were the fifth-semester students of the English Education Department of the State Islamic University of Lampung in the 2023–2024 academic year. The participants were selected using the purposive sampling technique by considering completing the Critical Academic Writing course and utilizing ChatGPT in their academic writing activities. Therefore, 90 students were chosen as the participants.

In collecting the data, the writers employed a questionnaire to investigate students' attitudes toward ChatGPT in academic writing. It consists of ten items, divided into two categories: students' attitudes toward ChatGPT in academic writing and the positive and negative impacts of utilizing ChatGPT in academic writing.

## **RESULT AND DISCUSSION**

### **RESULT**

#### *Students Attitudes Toward ChatGPT in Writing Academic Articles*

The study findings suggest that the majority of students hold a positive attitude when it comes to incorporating ChatGPT into their academic writing. Among the 90 participants, a majority of 75% expressed that ChatGPT had a positive impact on enhancing their writing abilities. These students found ChatGPT to be a helpful tool for improving their writing by providing valuable suggestions and feedback, enabling them to identify and fix errors. In addition, the study revealed that students valued the ease and availability of ChatGPT, as it allowed them to receive immediate feedback.

Conversely, a few students had a less favorable opinion of ChatGPT regarding academic writing. These students were concerned that excessive reliance on the tool could impede their critical thinking and hinder their ability to develop their writing skills independently. Nevertheless, the consensus was that ChatGPT positively impacted students' academic writing despite some minor concerns.

Furthermore, the study revealed that 80% of the participants felt that ChatGPT was a time-saving tool in their writing process. According to their feedback, ChatGPT was a valuable tool for enhancing essay writing. Users found that it facilitated idea generation and improved the overall structure of their essays, resulting in reduced time spent on brainstorming and organizing their thoughts.

Furthermore, the study uncovered that 60% of the participants reported increased confidence regarding their writing skills after using ChatGPT. They were grateful for the immediate help offered by the AI model, which enabled them to resolve their writing concerns promptly. In addition, a majority of the participants expressed a preference for ChatGPT compared to other writing assistance tools. They mentioned that the interface was easy to use and appreciated the personalized suggestions provided by the tool. The results indicate that ChatGPT can be a helpful tool for students seeking to improve their writing abilities and simplify their writing procedures.

#### *The Positive and Negative Impacts of Utilizing ChatGPT in Academic Writing*

Regarding the benefits of using ChatGPT in academic writing, a significant majority of the participants, 70% to be precise, acknowledged that ChatGPT positively affected their writing quality. By following the guidance from ChatGPT, they could create more organized and easy-to-understand writings. In addition, 60% of the participants found that ChatGPT improved their vocabulary and writing skills. This enhanced their essays, making them more captivating and enabling them to communicate their ideas effectively. In addition, the participants found the personalized suggestions ChatGPT provided very helpful. They could focus on their writing weaknesses and improve based on the suggestions. Overall, it was clear that ChatGPT positively

impacted academic writing by enhancing the quality and coherence and providing personalized assistance to students.

However, it's worth mentioning that a few participants also expressed concerns about certain drawbacks. Around 20% of students have raised concerns about excessive dependence on ChatGPT. They expressed concern that excessive use of this tool could impede their ability to think critically and be creative in their writing. These students expressed concerns about becoming overly dependent on ChatGPT, fearing it could stifle their creativity and hinder the development of their writing styles. In addition, a few participants raised concerns about possible privacy issues related to ChatGPT's collection and storage of user data. Despite these concerns, most participants found ChatGPT to be a valuable tool for academic writing, with its advantages surpassing any potential drawbacks.

In addition, a few participants noted that they sometimes encountered occasional inaccuracies or suggestions that needed to be more relevant when using ChatGPT. Although these occurrences were uncommon, approximately 10% of students reported encountering such problems. Despite these challenges, many students find value in the support and assistance that ChatGPT offers for their academic writing. The tool's capacity to generate ideas, provide grammar and style suggestions, and enhance clarity is greatly appreciated. Several students have also expressed how ChatGPT has been a valuable tool in saving time and improving their ability to meet deadlines. Although there are a few downsides, most students find that the advantages of utilizing ChatGPT surpass any possible challenges.

## **Discussion**

The idea of utilizing ChatGPT in academic writing has been engaging and interesting. Several students have expressed concerns regarding the tool's use of pre-existing data and possible bias in its responses. However, some believe these limitations can be reduced by carefully considering the suggestions and using one's judgment. In addition, there have been discussions regarding the ethical considerations of utilizing AI in writing. Some students have raised concerns about plagiarism and the possibility of misuse. A study by Zohaib et al. supports

this finding that ChatGPT raises concerns about academic integrity (Vasudevan et al., 2024).

Despite these limitations, it appears that most students find ChatGPT to be a valuable resource for their academic writing needs. The finding is similar to ADEEB's study that, when utilized appropriately, ChatGPT can be a valuable resource (Jarrah et al., 2023). It helps users enhance their writing skills, save time, generate ideas, and improve overall writing quality. In addition, students have discovered that utilizing ChatGPT enhances their comprehension of intricate concepts and ideas. The AI-powered tool offers users valuable insights and explanations that may have been difficult to understand otherwise. In addition, ChatGPT's knack for generating ideas and proposing different approaches has been incredibly helpful in overcoming writer's block and nurturing creativity. Thanks to its intuitive design and fast performance, students have expressed increased confidence and motivation in their writing process.

Similarly, Javaid found in his study that Students can work at their own pace and focus on the areas where they require the most assistance, creating an effective and efficient learning environment (Javaid et al., 2023). As a result, they have been able to meet deadlines more efficiently and produce work of higher quality. Despite a few drawbacks, ChatGPT has proven to be a valuable tool for students, providing numerous benefits in their academic writing process.

Nevertheless, ChatGPT has its limitations regarding providing accurate and reliable information. For example, if the essay topic requires a deep understanding of scientific concepts, ChatGPT's suggestions may not be trustworthy and could lead to an incorrect argument. In addition, excessively relying on ChatGPT for phrasing and sentence structures might impede students' capacity to cultivate their unique writing style and voice.

## **CONCLUSION**

The study reveals that a majority of students in the English Education Department have a positive attitude towards ChatGPT in academic writing. 75% of students found ChatGPT to help improve their writing abilities, provide valuable feedback, and identify errors. However, some students expressed



concerns about excessive reliance on the tool, which could hinder their critical thinking and independent writing development. Despite these concerns, most students found ChatGPT to be a valuable tool for academic writing, with its advantages surpassing any potential drawbacks.

To investigate these findings further and address potential concerns raised by some participants, future research should examine a larger sample size and include qualitative interviews to gain deeper insights into students' experiences using ChatGPT in academic writing. Moreover, exploring ways to mitigate potential challenges associated with over-reliance on ChatGPT and addressing occasional inaccuracies should be considered for future improvements in this technology. In addition, it would be beneficial to conduct comparative studies between ChatGPT and other writing tools to determine its unique strengths and limitations. This would provide a comprehensive understanding of its usefulness and enable the development of tailored strategies to maximize its benefits.

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