

## **Student Attitude toward Chat GPT as Learning Aid Tool**

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### **Abstract**

*The developing of artificial intelligence (AI) technology is significantly across diverse domains, including education. A prominent application of AI that has gained widespread among students is ChatGPT. This study explores the student attitude regarding the utilization of ChatGPT as an academic learning tool. it encompasses students' attitude on the advantages and disadvantages with the employment of ChatGPT. Employing a descriptive methodology though utilizing of survey administered to 100 participants from English academic programs. The findings reveal that the student has positive attitude or 70 % towards the integration of ChatGPT, particularly concerning the accessibility of information and the comprehension of intricate concepts. Conversely, approximately 30% of respondents articulated apprehensions pertaining to the information generated and the risk of plagiarism. it attributed to insufficient digital literacy and an overreliance on technological. Additional determinants that shape students' attitudes include their experiences with AI technology and their understanding of academic ethical standards. This study asserts that ChatGPT possesses significant potential as a pedagogical resource; however, its implementation must be accompanied by a comprehensive awareness of ethical considerations and the constraints of technology.*

**Keywords:** AI, ChatGPT, Learning AI

### **A. Introduction**

In recent years, AI technology has impacted many industries, including education. One notable development is ChatGPT, created by OpenAI, which uses natural language processing to understand and generate text, making interactions between humans and machines more seamless. The integration of ChatGPT into educational settings, particularly for students, has opened up new

possibilities for learning, research, and writing (Zohery, 2023).

The attitudes of students, the principles and policies should not only fall up on developing; they are also important in receiving quality education products. it believe that a learner's attitude influence their success or failure in language learning. This approach will affect how much they decide to use the tool in their learning process

(Mašić&Senad, 2021)

Research has previously determined that having a positive attitude towards technology can enhance the students' motivation as well as promote engagement in learning (Qawaqneh, 2023). On the other hand, a negative or skeptical attitude might get in your way of actually using technology. It is therefore worthwhile to investigate students' attitudes towards ChatGPT, particularly in an educational setting. This is also true in other studies, and more importantly these positive attitudes of students towards AI must attract the attention of educational managers to guarantee that the system fulfills the user's requirements and overcomes difficulties encountered (Alzahrani, 2023)

Based on the previous study indicates that ChatGPT provide Benefits to the students such as Quick Information, Q&As, Writing and Research Help. From ChatGPT, Students can get help like crafting their argument or forming ideas and writing better using ChatGPT. Therefore, it can be understood that AI chatGPT enhances the efficiency

of a learning process and promotes easier ways for students to correctly answer more complex questions, both in general programming assignments.(Zohery, 2023)

However, there are also other factors to consider. This leads to the possibility of a tendency towards technology dependency, or rather students will start cheating which in turn reduces their brain activity in critical thinking, creativity, etc. There are also concerns about how authentic the info is sometimes and some other complications such as plagiarism, violations (Kim, 2023). Now the use of ChatGPT in the context of higher education can vary. Some may use it as a learning tool, while others may even rely on it to form educational papers. Other studies indicates that the students who use AI tools, it can increase positive academic outcomes but can also reduce them through excessive use for their research (Ipek, 2023)

As more and more students use ChatGPT to aid their studies, it is important to understand how they perceive the technology. Do they feel that ChatGPT helps them with their

studies? Or do they feel that they are dependent on the tool and are neglecting deeper learning?

Based on the description above, this study aims to explore students' attitudes towards the use of ChatGPT in an academic context. By understanding these attitudes, it is hoped that it can provide deeper insights into the use of technology in education and how this can impact students' learning. The research questions to be answered include: What are the attitude of students toward ChatGPT as a learning tool?

This study can be expected to promote in the development of AI-based learning strategies. Knowing what students think about technology and its intersection with the curriculum will enable teachers to design methods which are focused on that -- A more amusing way. Furthermore, it is expected that this study facilitates the design of AI tools tailoring better to students as well as assisting educational institutions with some guidelines regarding technology usage in class.

## **B. Research Method**

This study uses a phenomenological or case study approach. The phenomenological approach is used to deeply understand students' subjective experiences in using ChatGPT as a learning aid.

The Research Participants is taken from 100 students of English Département in Islamic University of Medan. the population of this participant is determine on the students who have used ChatGPT as a learning aid.

As the sample of research, the Purposive sampling or snowball sampling techniques are used to select participants who have experience and in-depth understanding of using ChatGPT. The number of participants ranges from 10-15 people, depending on the level of data saturation

In conducting of this study, there are instrument is utilized such as In-depth interviews. This interview will use Semi-structured interviews to explore students' attitudes towards ChatGPT. The interview guide will cover topics such as: students' experiences using ChatGPT, students' perceptions of the ease and benefits of

ChatGPT in helping them learn, the influence of ChatGPT on learning independence and creativity and Positive or negative impressions felt during the use of ChatGPT.

Primary data were collected through in-depth interviews in person or online (via Zoom, Google Meet). Each interview was recorded (with participant consent) and transcribed for analysis.

Documentation is also conducted as collecting data technique to analyze how ChatGPT was used in the context of learning. The Techniques of analysis data will employ on the following procedure:

1. Transcription of data from interviews.
2. Data coding: Dividing data into

categories or themes based on patterns that emerge from interviews (e.g., themes such as “benefits of ChatGPT,” “ease of use,” “challenges,” etc.).

3. Theme development: After coding, key themes were identified to comprehensively describe student attitudes.
4. Data interpretation: Analyzing findings by relating them to relevant theories or concepts.

### C. Results and Discussion

Based on the data analysis, it can be found that the student has positive attitude toward ChatGPT as the learning aid tool. The detail finding can be seen in the following table:

Table 1. The Student's Attitude

No.	Category	Description	Total Partisipant
1	Positive experience in using chatGPT	Students felt helped in understanding the lecture material and completing assignments.	65
2	Easy on usage	Students felt ChatGPT was easy to use and quickly provided the answers needed.	70
3	The challenges in usage	Some students had difficulty using certain features or got inaccurate results.	45
4	The benefit in helping student's task	Students used ChatGPT to help complete assignments, both essay writing and questions.	60
5	Influence on Learning Independence	Students felt they became more independent in finding information and learning using ChatGPT.	55
6	Over-Reliance on ChatGPT	Some students admitted to being too dependent on ChatGPT and reducing their critical thinking skills.	40
7	Increasing Creativity	Students felt ChatGPT provided new ideas that helped them think more creatively.	35
8	Reducing Creativity	Some students felt that using ChatGPT actually made them less creative.	30
9	Answer Accuracy Issues	There were concerns about inaccurate or irrelevant answers provided by ChatGPT.	50

No.	Category	Description	Total Partisipant
10	ChatGPT Development Recommendations	Students provided suggestions for ChatGPT to be more accurate and interactive in the future.	25

#### Interpretation of Results:

1. Positive Experience Using ChatGPT: 65% of participants felt that ChatGPT was very helpful in understanding the material and completing assignments. This shows that many students directly benefit from using this technology. The previous study also shown that the majority of pupils thought well of ChatGPT. They thought it was engaging, inspiring, and beneficial for their education (SHOUFAN, 2023)
2. Ease of Use: 70% of participants felt that ChatGPT was easy to use. This confirms that ease of access and ease of navigation are important factors that make students continue to use ChatGPT. Exploring student's attitude in terms of ease use was conducted by Shoufan. They have the same finding in this current study. They clarified that the use of ChatGPT is very easy (SHOUFAN, 2023)
3. Usage Challenges (Difficulties): Although many felt helpful, 45% of students mentioned challenges such as inaccurate results or difficulty understanding how to use certain features optimally.
4. Benefits for Completing Assignments: 60% of participants said that ChatGPT was very helpful in completing assignments, especially writing assignments and solving academic problems.
5. Influence on Learning Independence: 55% of participants felt that ChatGPT encouraged them to learn more independently, using this tool to search for information and deepen their understanding.
6. Over-Reliance on ChatGPT: 40% of participants felt that they began to rely on ChatGPT to complete assignments, which they said could reduce critical thinking skills.
7. Increased Creativity: 35% of students felt that ChatGPT

helped them become more creative by providing new ideas and insights in solving problems.

8. **Reduced Creativity:** On the other hand, 30% of participants felt that using ChatGPT too often made them less creative, because they tended to rely on this tool rather than thinking for themselves.

9. **Problems with Answer Accuracy:** 50% of students were concerned about the inaccuracy or irrelevance of the answers provided by ChatGPT. This shows that there is room for improvement, especially in improving the quality of answers.

10. **Development**

**Recommendations:** 25% of students suggested that ChatGPT be more accurate and more interactive in answering their questions.

#### **D. Conclusion**

Related to the finding, it can be indicated that most students see ChatGPT as a useful learning tool favorably, particularly when considering its practical advantages

and ease of use. But there are also worries about over-reliance and accuracy problems, which must be resolved as the technology advances. In line to the finding, this study has several suggestions:

1. **Improved Response Accuracy:** ChatGPT developers need to continue bringing up the overall quality and their responses, especially in academic environments. Additional growth can be sending in more trusted and relevant substances to confront complex educational inquiries.
2. **ChatGPT Usage with Instruction:** Institutions or educators can teach students how to use ChatGPT responsibly—a reminder on verifying their sourced data. This instruction is essential for maintaining the students' critical, and analytical thinking skills alive while avoiding that they completely depend on the tool.
3. **Preventing Overdependence:** Students should be told that when performing tasks, ChatGPT is a tool and not the answer to depend

on solely. They were the voice of reason in every situation, protecting police officers from external influences and holding them accountable within the department.

4. Collaboration Between Developers and Education: To make sure that ChatGPT is continuously tailored to students' learning requirements, developers can collaborate with educational institutions. Enhancing interactive elements that align with the curriculum might be an effective strategy to optimize its advantages.
5. Periodic Assessment of Technology Use: Instructors and educational establishments can carry out regular assessments of the impacts of ChatGPT use on students' learning autonomy, creativity, and critical thinking abilities.

## References

- Ajlani, et al. (2023). Students' Attitudes Towards Using ChatGPT as a Learning Tool: The Case of the University of Jordan. *IJIM*, 17(18), 99–117. <https://doi.org/https://doi.org/10.3991/ijim.v17i18.41753>
- Alzahrani, L. (2023). Analyzing Students' Attitudes and Behavior Toward Artificial Intelligence Technologies in Higher Education. *International Journal of Recent Technology and Engineering (IJRTE)*, 11(6), 65–73. <https://doi.org/https://www.doi.org/10.35940/ijrte.F7475.0311623>
- Ipek, et al. (2023). Educational Applications of the ChatGPT AI System: A Systematic Review Research. *Http://Edupij.Com/*, 12(3), 26–55. <https://doi.org/https://dx.doi.org/10.22521/edupij.2023.123.2>
- Kim, D. K. (2023). Study on Artificial Intelligence(AI) and Chat GPT, Corruption. *The Korea Association for Corruption Studies*, 28(2), 85–105. <https://doi.org/10.52663/kcsr.2023.28.2.85>
- Mašić&Senad. (2021). ATTITUDES TOWARDS LEARNING ENGLISH AS A FOREIGN LANGUAGE. *JoLIE*, 14, 85–105. <https://doi.org/https://doi.org/10.29302/jolie.2021.2.5>
- Qawaqneh, et al. (2023). The Impact of Artificial Intelligence-Based Virtual Laboratories on Developing Students' Motivation Towards Learning Mathematics. *IJET*, 18(14), 105–121. <https://doi.org/https://doi.org/10.3991/ijim.v17i18.41753>

- g/10.3991/ijet.v18i14.39873
- SHOUFAN, A. (2023). Exploring Students' Perceptions of ChatGPT: Thematic Analysis and Follow-Up Survey. *IEEE EDUCATION SOCIETY SECTION*, 11, 38805–38815.  
<https://doi.org/10.1109/ACCESS.2023.3268224>
- Zohery, M. (2023). ChatGPT and AI Conversational Models in Higher Education, Research and Development. In *Artificial Intelligence in Academia, Research and Science: ChatGPT as a Case Study. (Frist Edition)* (pp. 63–179). Novabret.  
<https://doi.org/https://doi.org/10.5281/zenodo.7916458>