



The Impact of Artificial Intelligence on the Lecture World of VI Semester Students at STIT SB Pariaman

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Abstract

Advances in artificial intelligence (AI) technology have brought significant changes in the world of higher education, including in the environment of the College of Tarbiyah Sheikh Burhanuddin (STIT SB) Pariaman. This study aims to examine the impact of the application of AI on the lecture process of 6th semester students, who are in the final stage of study and have a fairly complex academic load. The method used in this research is a descriptive qualitative approach with data collection through observation, interviews. The results of the study show that the use of AI technologies, such as automatic writing applications, educational chatbots, and digital learning platforms, has had a positive impact in the form of increased learning efficiency, easy access to information, and support in preparing academic assignments. However, on the other hand, there are also challenges in the form of potential dependence on technology, decreased critical thinking skills, and ethical dilemmas in the use of AI for academic needs. Artificial intelligence makes a major contribution in supporting the learning process of students, but its use needs to be balanced with ethical awareness and fostering independent thinking skills so that its benefits can be optimized in the world of lectures.

INTRODUCTION

The rapid development of digital technology has brought significant changes in various aspects of life, including in the world of higher education. One of the most prominent technological innovations in recent years is artificial intelligence (AI). Artificial intelligence has penetrated into various fields, including the learning system in higher education. In the midst of this transformation, VI semester students at the College of Tarbiyah (STIT) Sheikh Burhanuddin Pariaman are one of the groups that have felt the direct impact of the application of AI technology in their academic activities. (Taruklimbong, E. S. W., & Sihotang, H. (2023)

In the context of lectures, artificial intelligence has begun to be used in various forms, such as adaptive learning platforms, writing assistant applications, academic chatbot services, and automated assessment systems. The existence of this technology offers convenience and efficiency, but on the other hand it also poses new challenges, both in terms of academic ethics, technology dependence, and student readiness to adapt. In general, how artificial intelligence has influenced the teaching and learning process, mindset, and academic culture of 6th semester students at STIT SB.Pariaman. thus, it is hoped that this study can provide a deeper understanding of the positive and negative impacts of AI integration in the world of lectures in a local environment. In recent years, artificial intelligence (AI) has become a hot topic in various circles, including the world of higher education. This change has not only been felt in large universities in metropolitan cities, but has also begun to have an impact in more local campus environments, such as at the College of Tarbiyah Sheikh Burhanuddin (STIT SB) Pariaman. Sixth-semester students, who are at a crucial stage towards the end of their studies, are now facing the new reality of a learning process that is increasingly integrated with smart technology. (Putri, V. A., Sotyawardani, K. C. A., & Rafael, R. A. 2023).

Information and communication technology has now become a tendency in everyone's life, anytime, anywhere and everyone has used this technology. The continuity of human activities is helped by the various conveniences presented by technology (M. Danuri 2019). The more rapid the development of technology, the more innovations that come from the field of technology. Many new technologies are found, one of which is the emergence of artificial intelligence or AI.

The purpose of artificial intelligence (AI) is to create computer programs and/or hardware systems whose thinking is comparable to human thinking. That is, it has characteristics that are usually associated with human intelligence (S. Lucci 2022). The rise of the development of artificial intelligence that facilitates human work, many people utilize artificial intelligence to shorten the time in their work. Everything that has been integrated with artificial intelligence, does not escape the users who utilize it. With this, it cannot be denied that artificial intelligence has the potential and benefits that can improve the quality of human life itself (A. Nawi 2019). Artificial intelligence or AI technology is used not only for important things but also for pleasure and help in our daily lives (T. N. Fitria 2023). Indirectly, artificial intelligence is slowly changing the order of human life. It can be seen with artificial intelligence that has been widely applied in various things and technologies that already exist.

This includes virtual assistants capable of providing two-way information exchange and deepface technology on smartphone devices and social media platforms such as Facebook which uses facial image recognition to identify photos uploaded on social media. In addition, there is also artificial intelligence in autonomous cars (R. Pakpahan 2021) and there are many other examples of the application of artificial intelligence which has more or less influenced all fields of human life today. Artificial intelligence has the potential to permeate and create major changes in the education sector. This is evident from the fact that before computers and other technologies, teachers and students engaged in direct teaching and learning activities. Computer and telecommunication technologies have continued to evolve over the years, leading to the development of artificial intelligence. With the introduction and use of new technologies in education, artificial intelligence has also found wide application in education (L. CHEN 2021). The emergence of new technologies in the form of artificial intelligence has opened our minds to the importance of technological progress. Especially for students who are pursuing higher education. Because it not only helps facilitate a lot of affairs but can also be used to open new insights into various things (H. Crompton and D. Burke 2023). Artificial Intelligence itself is one of the computer sciences that allows machines or computers to be able to do tasks like and as well as humans do (O. Zawacki-Richter 2019). Based on the previous explanation, AI has an influence in various fields of human life. AI is here to simplify human work in the shortest possible time. The purpose of this research is to find out how the use of artificial intelligence affects students. So that the formulation of the problem is found, how does the use of artificial intelligence technology affect students in the classroom and outside of lectures, students are starting to utilize AI for various needs, ranging from finding references, compiling papers, to understanding complex material with the help of AI-based applications. the presence of this technology brings convenience and efficiency that has never been felt before.

METHODS

This research uses a descriptive qualitative approach with the aim of describing and analyzing in depth the impact of the use of artificial intelligence (AI) in the world of lectures of 6th semester students at STIT Sheikh Burhanuddin Pariaman. This approach was chosen because it is able to capture social phenomena contextually, especially related to students' perceptions, experiences, and responses to the presence of AI technology in their learning process. The research subjects are 6th semester students from various study programs at STIT SB Pariaman who actively use AI-based technology in academic activities, such as ChatGPT, Grammarly, Google Bard, and other learning platforms. Informants based on certain criteria relevant to the research objectives. Data collection was carried out through in-depth interviews, participatory observation. Interviews were conducted in a semi-structured manner in order to obtain broader and in-depth information. Observations were made of lecture activities and the use of AI in completing assignments. Documentation was in the form of notes, screenshots of AI usage, and data from learning software. Data analysis was done thematically, with the stages of data reduction, data

presentation, and conclusion drawing. Data validity was tested using source triangulation and member check techniques to ensure the accuracy of information obtained from informants (Sholikhah, A. (2016).

FINDINGS AND DISCUSSION

Based on data obtained from interviews, observations, and documentation, it was found that the use of artificial intelligence (AI) in the lecture activities of 6th semester students at STIT Sheikh Burhanuddin Pariaman is increasing, especially in completing assignments, finding references, and understanding lecture material. Students utilize various AI-based platforms, such as ChatGPT to answer questions, Grammarly to correct grammar in writing papers, and various other AI applications to manage time and learning materials.

a. Positive Impact

The majority of students stated that AI helped them be more efficient in completing tasks. They find it helpful in understanding difficult material as AI is able to explain in simpler and faster language. In addition, AI speeds up the process of writing and editing academic assignments. This efficiency is very important for final semester students who are burdened with final assignments, field observations, and exam preparation

b. Negative Impacts

Although it provides many benefits, the use of AI also poses challenges. Some lecturers have noted a decline in the originality of student work, with results that are too similar or do not show deep understanding. In addition, some students have started to show dependence on AI, such as using chatbots to answer questions without trying to understand the context first. This can hinder the development of critical and independent thinking skills.

c. Student and Lecturer Responses

Students are generally positive about this technology, but still lack awareness of the ethics of its use, especially regarding plagiarism and academic integrity. Lecturers, on the other hand, see the need for guidance and clear rules in the use of AI so as not to damage the learning process.

d. Analysis

This finding shows that AI is an effective tool if used wisely. The integration of AI in lectures should be accompanied by adequate digital literacy and the cultivation of ethical values in the academic world. Without proper supervision and education, the benefits of AI can turn into serious challenges in higher education.

CONCLUSION

The use of artificial intelligence (AI) has had a significant impact on the world of lectures for 6th semester students at STIT Syekh Burhanuddin Pariaman. On the one hand, AI provides convenience in accessing information, accelerating the process of completing assignments, and helping students understand complex material more efficiently. This technology is a potential tool in improving the quality of learning and supporting student academic achievement, especially amidst the challenges of time and a busy study load in the final semester. However, on the other hand, excessive use of AI also has negative impacts, such as a decrease in critical thinking skills, a tendency to rely on machines, and a lack of awareness of academic ethics. Some of the assignments produced by students show a lack of originality and a lack of deep understanding of the material presented. Therefore, a balance is needed between the utilization of technology and the strengthening of academic values. Students need to be equipped with digital literacy, ethical use of AI, and guidance from lecturers to be able to use this technology wisely and responsibly. Thus, artificial intelligence can be a partner in the learning process, not a substitute for the ability to think and learn independently.

Based on the results of interviews with STIT SB Pariaman students said

In my opinion, the existence of AI is also very helpful for students in developing their cognition. I as an AI user am not too dependent on AI because I compensate for it all with my own mind because if I am dependent, this addiction will make this student's brain weak, I don't think so. Because in my experience, I think critically a lot and this AI only helps to find ambiguous answers and I have developed them with my mind, I think this is the role of people who are addicted to AI only. If they are addicted to this AI, it will use them

in a bad way, The impact is the absence of these students thinking critically, In my opinion, no, this AI only helps in terms of my ambiguity in the material after that I develop it with my mind, Very influential for those who are addicted, I think this needs to be considered again because this AI is made too addictive, there will be a big impact later in a negative direction, so academic ethics must pay attention to this (Ilham Mardianto 2025).

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The results of interviews with students said that:

In my opinion, with the existence of AI there are positive and negative effects in terms of changing the way students understand and internalize knowledge, the positive is that with the use of AI learning becomes more efficient but on the other hand, in my opinion it reduces the desire of students to reason on their own without the help of AI, In my opinion, not completely, if the learner wants to redevelop what he gets from AI, so what is obtained from AI is readjusted to his reasoning, because not all information from AI can be swallowed raw, If AI is used for complex tasks that are not fully developed, then the learner will not be able to understand the AI. I don't think it has a significant impact on their psychology in the long run, just think of it as asking for help and using it as a learning resource, just like asking a teacher, but with AI the answers obtained are certainly faster and can be accessed whenever the student needs it.

This paper highlights a balanced view of the impact of AI in the learning process. On the one hand, AI is recognized to improve efficiency and quick access to information, similar to asking a teacher anytime. On the other hand, there is a concern that AI may reduce students' drive for independent reasoning. However, the author says that the negative impact is not absolute. If learners are able to filter and develop information from AI with their own critical reasoning, then AI can actually be a powerful learning tool, not a substitute for the thinking process. Even the use of AI in complex tasks is not considered psychologically harmful as long as the learner uses it as a tool, not a primary reliance. Overall, this paper emphasizes the importance of a critical and active attitude from the learner so that AI becomes a facilitator of learning, not a hindrance to cognitive ability.

The results of an interview with one of the students said:

AI can be an extraordinary tool to accelerate understanding, but true internalization still requires heart, values, and relationships. True education is not just about filling the head, but touching the soul and this is where humans remain irreplaceable, AI is like a knife that can be useful or dangerous depending on who holds it and what it is used for. Students who are aware of the purpose of their learning, not just grades, but self-growth, will be able to utilize AI without losing their identity, AI does not automatically damage the learning process, but inhibits our critical thinking. Meaningful education is one that grows humans not just by completing assignments, but by experiencing the learning process as a journey to understand themselves, the world, and the meaning of life. (Abdulsalam 2025).

This statement emphasizes that Artificial Intelligence (AI) has the potential to be an extraordinary learning tool in accelerating access to and understanding information. However, the process of deep internalization of knowledge still requires affective involvement—namely the heart, values, and relationships between humans—which cannot be replaced by technology. The author presents the analogy of AI as a "knife", which highlights the neutral nature of AI: its benefits or impacts depend greatly on the intentions and competencies of its users. Students who have self-awareness and a holistic learning orientation—not just pursuing grades, but personal growth—will be able to use AI wisely and

not lose their identity as active learning subjects. It is important to note that AI does not necessarily destroy the educational process; in fact, without critical awareness, its use can hinder the ability to think reflectively and analytically. Meaningful education should not only focus on completing assignments, but also on character building and understanding.

REFERENCES

- A. Nawî, "Penerokaan Awal Terhadap Isu dan Impak Penggunaan Teknologi Kecerdasan Buatan terhadap Kehidupan Manusia [Early Exploration Towards Issues and Impact the Use of Artificial Intelligence Technology Towards Human Beings]," *Asian Journal of Civilizational Studies (AJOCS)*, vol. 1, no. 4, Art. no. 4, 2019.
- H. Crompton and D. Burke, "Artificial intelligence in higher education: the state of the field," *International Journal of Educational Technology in Higher Education*, vol. 20:22, pp. 2, Apr. 2023.
- L. CHEN, P. CHEN and Z. LIN, "Artificial Intelligence in Education: A Review," *IEEE ACCESS*, vol. 8, pp. 75264-75275, May. 2020
- M. Danuri, "PERKEMBANGAN DAN TRANSFORMASI TEKNOLOGI DIGITAL," *Jurnal Ilmiah Infokam*, vol. 15, no. 2, Sep. 2019
- Moh. Mauluddin. "Kontribusi Artificial Intelligence (AI) Pada Studi Al Quran Di Era Digital; Peluang Dan Tantangan". *Madinah: Jurnal Studi Islam* 11, no. 1 (June 10, 2024): 99–113. Accessed November 15, 2025. <http://ejournal.liai-tabah.ac.id/madinah/article/view/2518>.
- O. Zawacki-Richter, Victoria I. . Marín, M. Bond and F. Gouverneur, "Systematic review of research on artificial intelligence applications in higher education –where are the educators?," *International Journal of Educational Technology in Higher Education*, vol. 16:39, pp. 2-22, Oct. 2019.
- Putri, V. A., Sotyawardani, K. C. A., & Rafael, R. A. (2023, October). Peran artificial intelligence dalam proses pembelajaran mahasiswa di Universitas Negeri Surabaya. In *Prosiding Seminar Nasional Ilmu Ilmu Sosial (SNIIS)* (Vol. 2, pp. 615-630).
- Pongtambing, Y. S., Appa, F. E., Siddik, A. M. A., Sampetoding, E. A. M., Admawati, H., Purba, A. A., Sau, A., & Manapa, E. S. (2023). Peluang dan Tantangan Kecerdasan Buatan Bagi Generasi Muda. *Bakti Sekawan?: Jurnal Pengabdian Masyarakat*, 3(1), 23–28. <https://doi.org/10.35746/bakwan.v3i1.362>
- R. Pakpahan, "Analisa Pengaruh Implementasi Artificial Intelligence Dalam Kehidupan Manusia," *JISICOM (Journal of Information System, Informatics and Computing)*, vol. 5, no. 2, Art. no. 2, Dec. 2021
- S. Lucci, D. Kopec, and S. M. Musa, *Artificial Intelligence in the 21st Century*. Mercury Learning and Information, 2022.
- Sholikhah, A. (2016). Statistik deskriptif dalam penelitian kualitatif. *KOMUNIKA: Jurnal Dakwah Dan Komunikasi*, 10(2), 342-362.
- T. N. Fitria, "Artificial intelligence (AI) technology in OpenAI ChatGPT application: A review of ChatGPT in writing English essay," *ELT Forum: Journal of English Language Teaching*, vol. 12, no. 1, Art. no. 1, Mar. 2023
- Taruklimbong, E. S. W., & Sihotang, H. (2023). Peluang dan tantangan penggunaan AI (Artificial Intelligence) dalam pembelajaran kimia. *Jurnal Pendidikan Tambusai*, 7(3), 26745-26757.

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