

## Utilization Of Ai In The Development Of Islamic Religious Education

Masngut<sup>1</sup>

### ABSTRACT

Progress in technology, information, and communication has led to significant change in the world of education, including the development method learning methods. One of the innovations important is the implementation intelligence artificial intelligence (AI) that is starting to be integrated in the learning process to adapt to the needs of the times. In the context of Islamic Religious Education (PAI), the use of AI becomes a potential solution to various challenges, such as limited access source learning resources and the need for it appropriate approach with characteristics digital generation. Study This aims to study how AI can integrated in Islamic Religious Education learning for increase quality responsive education to need participant modern education. In addition, research it also discusses possible benefits obtained, obstacles faced, and the role of AI in strengthen values religion in the digital age.

With use qualitative approach based on studies library, research this study collects data from various scientific like books, journals, and academic articles. DaSSta is analyzed in a way descriptive-critical to produce deep and constructive understanding synthesis conceptual integration of technology in religious education. Results of the study show that the use of AI can expand access to teaching materials, creating a more personal learning experience, as well as increase interactivity in learning. However, the implementation of AI also raises new challenges, like potential dependency, ethical problems, and personal data protection. In general, overall, AI integration in PAI learning has the potential to be big for supporting innovation education 21st century, provided that applied in a wise and steady manner that notices spiritual and humanitarian values.

**Keywords:** Artificial Intelligence (AI), Islamic Religious Education, Educational Technology

## 1 Introduction

Rapid progress in technology and information and communication has influenced various fields of life, including education. In the context of this, the latest technology generation, such as machine learning and deep learning artificial intelligence (AI), starts to be utilised in the learning process by educators and participants to educate. [1].

In Islamic religious education, the use of AI is relevant to overcoming various challenges, such as limited access to quality learning resources, including those in remote areas. [2] Education is an important pillar in prepare future generation for face the world's continuing challenges developed, which has set up in regulations and policies. The main objective from regulation. This is for understand and develop technology education, improve quality learning, as well as push culture innovation technology. [3].

In the digital era, artificial intelligence (AI) has changed various sectors of education, including Islamic religious education (PAI). The integration of AI in PAI offers innovation for increasing experience, learning, expanding access, and fulfilling various needs in learning. However, its implementation also raises concerns related to dependence on technology, ethics, and data privacy. [4]

Teacher strategies in the classroom are essential to support effective learning. In the digital era, Islamic education faces great challenges and opportunities. Digital technology changes the way we learn,

---

<sup>1</sup> Universitas Muhammadiyah Malang

\*Alamat korespondensi: masudaaz@gmail.com

access information, and understand religion and opens up opportunities to expand access and strengthen religious understanding in an increasingly connected global society. [5] In this manuscript, the author focuses on discussing the use of AI in the development of Islamic religious education.

## 2 Research Methods

Study This apply approach descriptive qualitative with method studies bibliography . Data collected from diverse sources , including books , journals , articles and other literature that discuss development learning Islamic religious education based on Intelligence Artificial (AI). Data obtained Then selected , reduced , and analyzed in a way in depth by researchers For produce conclusion based on understanding as well as discussion scientific focused on a topic study (AI). [6]

## 3 Results and Discussion

Intelligence Artificial Intelligence (AI) is innovation that imitates intelligence man in machine for create machine intelligent. The development of AI today this is very fast, good from side device hard and also device software. AI aims for develop machine like computer to have intelligence that allows they carry out order as humans do. (Sarinda et al., 2023). Artificial intelligences (AI) Offers a wide range of benefits that can be used in educational contexts and provide new opportunities for educational development for learning activities [1]. The main goal of AI is to enable computers to execute commands with capabilities that can rival human capabilities. In the context of AI, there are four main approaches that can be taken, namely: acting humanly (acting like a human), thinking humanly (thinking like a human), thinking rationally (thinking rationally), and acting rationally (acting rationally). [7]

AI in Islamic religious education supports the effectiveness of teaching but does not replace the role of teachers. AI provides interactive learning resources, allowing teachers to focus on fostering moral values. Teachers must ensure that the material is in accordance with Islamic teachings and educate students about the ethics of technology. Challenges of AI integration, such as reduced teacher-student interaction, also need to be considered. [2] AI can help Muslims in understand religion, access the source law, perform worship, studying Islam, interacting in muamalah, and preaching. In education high, AI improves effectiveness learning with adapt content, methods, and levels difficulty material in accordance need students, providing experience more personal [8] and focused learning.

Here are some reasons why artificial intelligence is considered important: Increased efficiency, complex problem solving, technology innovation and development, and improved user experience. [5]. AI has the potential to transform Islamic religious education in various ways: personalised learning, automated evaluation, interactive learning, access to Islamic knowledge, gamification, and immersive learning. [9] Despite its great potential, the application of AI in PAI faces several challenges. Challenges: technology dependency, ethical and religious considerations, data privacy and security, teacher adaptation, and common AI algorithms [10]. The use of artificial intelligence (AI) in Islamic religious education learning has several positive impacts, including personalisation of learning, automatic assessment, the presence of virtual tutors, smart content presentation content, and voice assistant support. This technology allows the learning process to be more adaptive and efficient. However, like other learning media, AI has a dual potential: it can support or actually harm the educational process. Negative impacts that need to be watched out for include student dependence on technology, the risk of plagiarism—especially through the use of AI-based automatic writing systems such as ChatGPT—and the reduced role of teachers in providing understanding of moral and religious issues. Therefore, it is important for teachers to build strong relationships with students to ensure that the internalisation of religious values continues to take place in a humanistic and contextual manner in the classroom.

AI in Islamic religious education can contribute to the development of religious competence in various ways, including deeper understanding, increased critical thinking, intercultural and interfaith learning, and ethical awareness. In the context of utilising an AI-based educational platform in Islamic education, there are a number of significant benefits that can be identified. Various ways to utilise artificial intelligence (AI) in Islamic learning, including personalisation of learning, automated assessment, and virtual assistant systems.

AI plays an important role in the development of Islamic Religious Education learning content through the use of natural language processing (NLP) and data analysis, which allows the system to compile

relevant, interesting, and contextual materials. By analyzing various sources of literature, community discussions, and online information, AI can present content that suits students' needs. In addition, AI also supports real-time monitoring of learning progress through student activity data on digital platforms, so that teachers can get a comprehensive picture of learning development and identify areas that require further pedagogical intervention. [11]

## Finding

Research findings indicate that the use of artificial intelligence (AI) in Islamic Religious Education enhances the accessibility of teaching materials, especially for students in resource-limited areas. AI also enables a more individualised and interactive learning experience, in line with the characteristics of digital-era learners. However, the implementation of AI presents challenges such as the risk of technological dependency, ethical dilemmas, and issues of personal data protection, necessitating careful and responsible management.

The following is a table of the benefits and disadvantages of using AI in learning Islamic religious education in a concise and clear academic format:

Tabel 6. Benefits and Losses of AI in Religious Education

Aspect	Benefit	Loss
Aksesibilitas	Make it easier students to access religious materials anytime and anywhere	Dependence on AI can reduce independent learning initiatives
Personalization	The material is tailored to the needs and abilities of individual students	Reduced human interaction in the process of religious education that is of a value and ethical nature
Evaluation	Fast and objective automated evaluation	AI-based evaluation is less able to capture the affective and spiritual aspects of students
Virtual Tutor	Providing independent study assistance outside of class hours	Students can rely completely on AI, reducing the role of teachers as spiritual guides
Smart Content	Religious material is presented in an interactive and interesting way	The risk of misuse of digital content without adequate value filters
Voice Assistant	Helping students memorize prayers, hadiths, and understand the meaning of religious teachings	The potential for replacing the role of teachers in answering questions related to religion and morality
Efficiency	Speeds up administrative and learning processes	Can reduce the quality of emotional interactions and role models in religious learning
Learning Innovation	Increasing creativity in delivering Islamic teaching materials	Plagiarism and academic fraud through the use of AI systems like ChatGPT

## 4 Conclusion

Artificial intelligence (AI) provides transformative opportunities in Islamic Religious Education by increasing accessibility, personalization of learning, and more effective student engagement. However, its implementation also poses significant challenges, such as ethical issues, potential dependence on technology, risks of plagiarism, and protection of personal data. Therefore, the use of AI in the context of religious education must be carried out wisely and proportionally so as not to shift the role of teachers as guides of values, ethics, and spirituality in the learning process.

## References

1. K. Kisno, N. Fatmawati, R. Rizqiyani, S. Kurniasih, and E. M. Ratnasari, "Pemanfaatan Teknologi Artificial Intelligences (Ai) Sebagai Respon Positif Mahasiswa Piaud Dalam Kreativitas Pembela-

- jaran Dan Transformasi Digital,” *IJIGAEd: Indonesian Journal of Islamic Golden Age Education*, vol. 4, no. 1, p. 44, Dec. 2023, doi: 10.32332/ijigaed.v4i1.7878.
2. M. M. Ilham and M. M. Hamidum, “Manfaat Artificial Intelligence dalam Pembelajaran dan Pendidikan Agama Islam,” *Mauriduna: Journal of Islamic Studies*, vol. 5, no. 2, pp. 651–665, Dec. 2024, doi: 10.37274/mauriduna.v5i2.1266.
  3. Sarinda, Martina, D. Noviani, and Hilmin, “Pendidikan Agama Islam Berbasis Teknologi (AI) Artificial Intelligence,” *Jurnal Kajian Penelitian Pendidikan dan Kebudayaan*, vol. 1, no. 4, pp. 103–111, Oct. 2023, doi: 10.59031/jkppk.v1i4.268.
  4. A. J. Fuad, A. K. Wicaksono, M. A. Aqib, M. A. Khoiruddin, A. S. M. Il Fajar, and K. Mustamir, “AI Hybrid Based Plagiarism Detection System Creation,” in *2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024*, Institute of Electrical and Electronics Engineers Inc., 2024, pp. 1495–1500. doi: 10.1109/ICACITE60783.2024.10616945.
  5. Muchlis, “Penggunaan Artificial Intelligence (AI) dalam Pembelajaran Pendidikan Agama Islam: Manfaat Dan Tantangan,” Jan. 2025.
  6. Miles, B. Matthew, A. M. Huberman, and J. Saldana, *Analisis Data Kualitatif*. 2014.
  7. W. R. Fauziyati, “Dampak Penggunaan Artificial Intelligence (AI) Dalam Pembelajaran Pendidikan Agama Islam,” *Jurnal Review Pendidikan dan Pengajaran*, vol. 6, 2023.
  8. D. F. Tanjung and Suteki, “Peran Kecerdasan Buatan (Artificial Intelligence) Dalam Pendidikan Agama Islam,” 2024. [Online]. Available: [www.unesco.org](http://www.unesco.org)
  9. A. Hafiz, A. Mu’ti, and A. Amirrachman, “Pengembangan Media Pembelajaran Agama Islam Berbasis Kecerdasan Buatan: Perspektif Pendidikan Agama Islam,” *Mauriduna: Journal of Islamic Studies*, vol. 5, no. 1, pp. 56–63, May 2024, doi: 10.37274/mauriduna.v5i1.1070.
  10. A. Sulaiman, “Pelita: Jurnal Studi Islam Mahasiswa UII Dalwa Peran AI dalam Membangun Kesadaran Ekologis pada Peserta Didik Melalui Pendidikan Agama Islam,” *Jurnal Studi Islam Mahasiswa UII Dalwa*, vol. 1, 2024, doi: 10.38073/pelita.v1i2.1839.
  11. M. Rizkiyanto Azhari, S. Mashuri, and F. Alhabsyi, “Prosiding Kajian Islam dan Integrasi Ilmu di Era Society 5.0 (KIIIES 5.0) Pascasarjana Universitas Islam Negeri Datokarama Palu 2022, Volume 1 Integrasi Pendidikan Agama Islam dalam Pemanfaatan Teknologi di Era Society 5.0,” vol. 1, 2022.

#### **CITATION:**

Masngut (2025). Utilization Of Ai In The Development Of Islamic Religious Education. *OASE*, 7(2), 384–387.