

Literature Study on the Utilization of AI in Islamic Religious Education

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ARTICLE INFO	ABSTRACT
Volume: 4 ISSN: 2963-5489	The rapid development of Artificial Intelligence (AI) has significantly influenced education, including Islamic Religious Education (PAI). AI offers the potential to enhance learning by making it more interactive, personalized, and accessible. This study aims to analyze the effectiveness of AI in improving the quality of PAI learning through a literature review of relevant studies. The analysis shows that AI can support teachers in presenting materials more creatively and interactively, helping students understand concepts better and enabling self-directed learning outside formal classroom settings. Additionally, AI expands access to educational resources, allowing students to learn at their own pace and improving overall learning outcomes. However, the study also highlights several challenges, including limited teacher proficiency in using AI tools, potential student dependency on technology, and ethical considerations in the context of Islamic education. The effective implementation of AI requires careful integration with teacher guidance to ensure that spiritual and moral values remain central to the learning process. In conclusion, AI can enhance creativity, motivation, and learning quality in PAI while preserving the integration of knowledge, faith, and ethics. It should be positioned as a supporting tool rather than a replacement for teachers. With appropriate guidance and ethical use, AI has the potential to modernize PAI learning without compromising its core educational objectives.
KEYWORD	
Artificial Intelligence, Islamic religious Education, PAI, Personalized Learning, Interactive Learning, Teacher Guidance, Education Ethics.	

1. Introduction

The development of Artificial Intelligence (AI) has had a significant impact on education, including Islamic Religious Education (PAI). This technology is considered capable of delivering learning that is more interactive, efficient, and easily accessible. Research indicates that the application of AI in PAI can assist teachers in presenting materials more engagingly and improve student learning outcomes (Aprianti Astuti et al., 2024)

However, its implementation also faces challenges. A study published in the *Sosaintek Journal* emphasizes that, despite its benefits, AI still raises issues regarding the validity of information and ethical considerations in its use (Fuad & Fakhruddin, 2024)

Given these conditions, a literature review on the effectiveness of AI in PAI is essential to evaluate the extent to which this technology is beneficial and to identify the challenges encountered in its implementation.

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2. Literature Review

Research on the utilization of Artificial Intelligence (AI) in Islamic Religious Education (PAI) has been widely conducted, with diverse focuses. A study by Rahman (2024) emphasizes that AI can enhance the effectiveness of PAI learning, as students can more easily comprehend the material through interactive media, although challenges such as dependency on technology remain (Rahman & Afandi, 2024).

Another study by Najla Kamilia Marwa et al. (2024) indicates that integrating AI expands students' access to digital learning materials, enabling them to engage in self-directed learning outside formal classrooms. However, this research also highlights the need for teachers to maintain a balance between technology utilization and the cultivation of students' spiritual values (Marwa et al., 2025).

Furthermore, Surya Eka Priyatna & Ani Cahyadi Maseri (2024) emphasize the ethical aspects of AI implementation, particularly in Islamic education. The use of technology must align with the principles of *maqāṣid al-sharī'ah*, considering AI not merely as a technical tool but also in terms of moral guidance, ensuring it does not replace the teacher's role as a model of virtuous conduct (Priyatna & Maseri, 2025).

From these studies, it is understood that AI offers significant opportunities to improve the quality of PAI learning, both in terms of accessibility and interactivity. Nevertheless, its application still requires teacher supervision to ensure that the goals of Islamic education—which emphasize the integration of knowledge, faith, and ethics—are fully achieved.

In conclusion, AI is effective in supporting PAI learning, yet further research is needed to explore how AI can be integrated without diminishing the teacher's primary role in fostering moral and spiritual development.

3. Methodology

This study employs a library research approach, which involves a literature review of various written sources. The data were collected from reputable journal articles, scientific proceedings, books, and previous studies relevant to the utilization of Artificial Intelligence (AI) in Islamic Religious Education (PAI).

The collected data were then analyzed using a descriptive-analytical technique, which involves summarizing findings from the reviewed studies, comparing them, and drawing general conclusions to answer the research problem.

4. Results and Discussion

Based on the literature review of various studies, the implementation of Artificial Intelligence (AI) in Islamic Religious Education (PAI) demonstrates a significant contribution to supporting the learning process, both pedagogically and technologically. AI enables personalized learning tailored to the needs of individual students. For instance, the use of AI-based applications can assist PAI students in creating more creative and interactive teaching materials, thereby enhancing the competence of prospective teachers in integrating technology with Islamic values (Aprianti Astuti et al., 2024).

In addition, AI utilization expands students' access to learning materials, especially for those with limitations in time and space. With intelligent learning systems, students can review materials at their own pace, thereby improving the overall effectiveness of learning (Alotaibi, 2024).

Despite its benefits, the use of AI also presents challenges. Limited teacher understanding of technology and the potential dependence of students on machines are issues that need to be addressed. Furthermore, the application of AI in Islamic education must consider ethical and moral aspects, ensuring that technology does not replace the teacher's role as a model of virtuous behavior (Rahman & Afandi, 2024).

The implementation of AI in PAI should remain aligned with the goals of Islamic education, namely the integration of knowledge, faith, and ethics. AI should be positioned as a supporting tool, rather than a full replacement of teachers, so that spiritual and moral values are preserved in the learning process (Indayani & Hartati, 2023). With a wise and ethical approach, AI can enhance the quality of PAI learning without compromising the humanistic and spiritual dimensions that are central to Islamic education (R. Nurhayati et al., 2024).

Overall, the effectiveness of AI in PAI lies in its ability to increase creativity, motivation, and learning quality, while still emphasizing the integration of Islamic values. AI implementation accompanied by teachers can be an appropriate strategy to deliver modern learning without sacrificing the objectives of religious education.

5. Conclusion

Based on the literature review, the implementation of Artificial Intelligence (AI) in Islamic Religious Education (PAI) has been proven effective in enhancing the quality of learning. AI can personalize the learning process, broaden students' access to learning materials, and provide a more interactive and contextual learning experience. It enables students to learn at their own pace while supporting teachers in delivering creative and engaging lessons.

However, the effectiveness of AI still depends on the active role of teachers as facilitators, ensuring that spiritual and moral values are preserved. AI should therefore be positioned as a supporting tool rather than a replacement for teachers, so that the goals of Islamic education—the integration of knowledge, faith, and ethics—are fully achieved.

With wise and ethical implementation, AI can foster students' creativity, motivation, and ethical awareness, ensuring that digital learning complements rather than compromises the holistic development of students. When applied alongside teacher guidance, AI makes PAI learning more modern, adaptive, and still firmly grounded in Islamic values, balancing technological innovation with spiritual and moral education.

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Conflicts of Interest:

The authors declare No. conflict of interest.

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