

## The Relevance of Artificial Intelligence and Divine Principles According to Islamic Interpretation in Human Interaction with Artificial Intelligence

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### Abstract

*This article explores the relationship between Artificial Intelligence (AI) and divine principles in Islam on human interactions with AI. From an Islamic perspective, the concept of artificial intelligence must be adapted to religious values, recognizing the power and wisdom of Allah in the creation of the universe. Artificial intelligence is also considered a reminder of the greatness of Allah. In Islam, humans have a responsibility as caliphs on earth, so the development and use of AI must be carried out with moral awareness. This article also emphasizes the importance of developing AI for human benefit in accordance with Islamic teachings, including upholding justice and improving the quality of life. Thus, this article illustrates the relevance of artificial intelligence and divine principles in the context of human interaction with AI, as well as the importance of developing technology in accordance with Islamic values to achieve the benefit of humanity as a whole.*

**Keywords:** artificial intelligence, divine principles, Islamic interpretation

### A. Introduction

In this period of advanced data and communications innovation, artificial intelligence (AI) has transformed habits into a fundamental part of many parts of human existence. The use of artificial intelligence in religious aspects and human life has a significant effect. (Daffa & Kamil, 2023) Religious issues are not only limited to the domain of the spiritual world and metaphysics, but also include epistemological questions relating to truth and how humans understand religious teachings. However, the use of artificial intelligence in this problem affects beliefs in reality (Harriguna & Wahyuningsih, 2021) .

This technological revolution not only opens the door to new innovations, but also presents complex ethical challenges and questions (Devianto & Dwiasnati, 2020) . In the context of this innovation, public understanding of artificial intelligence is very important to ensure its optimal and positive use (Wulantari et al., 2023) . Viewed from the perspective of benefits in religion, the concept of artificial

intelligence must be adapted to religious values, recognizing the power and wisdom of Allah in the creation of the universe. Religion, which is essentially about a person's faith, must be related to the digital world. How does religion (Islam) itself view the changes in digital technology that are currently occurring (LUAN et al., 2023) . The view of the Islamic religion towards current technological advances, especially artificial intelligence (AI), is a reminder of the greatness of Allah. In Islam, humans have a responsibility as caliphs on earth, so the development and use of AI must be carried out with moral awareness.

Artificial intelligence is a technological field that is developing rapidly and has a significant impact on various aspects of human life, including a person's character, where the system of instilling character values includes components of knowledge, awareness or will, and actions to implement these values, both towards God, oneself, fellow humans, and the environment. (Alim, 2023) . The relevance of artificial intelligence and divine principles in the context of human interaction with AI, which this article will explore, suggests the importance of developing technology that is in accordance with Islamic values to achieve the benefit of humanity as a whole (Faiz et al., 2022) .

In order to maintain the continuity of harmony between technological progress and spiritual values, this article highlights the important relevance of artificial intelligence and divine principles in human interactions with AI. Through a deep understanding of Islamic teachings, we underline the need for technological development that is in harmony with Islamic values, as a foundation for achieving universal human welfare as a whole. Thus, this article introduces a holistic view of the role of AI in the context of human life, emphasizing the importance of integration between technological innovation and religious morality.

## **B. Methods**

This research utilizes a library research method to delve into the connection between artificial intelligence (AI) and divine principles according to Islamic interpretation in human interaction with AI. Library research involves systematically reviewing and analyzing existing literature from various academic sources such as books, journals, and online databases. The process begins by defining research questions and objectives, followed by an extensive search of relevant literature using keywords related to AI, Islamic principles, and human-computer interaction. The gathered literature is critically analyzed to identify key themes and perspectives, with special attention to ethical implications and alignment with Islamic values. Comparative analysis is conducted to explore intersections with other religious or philosophical viewpoints. Finally, the findings are interpreted within the framework of Islamic teachings, emphasizing the significance of ethical AI development and responsible human interaction. This methodological approach ensures a thorough examination of the topic,

integrating insights from diverse scholarly perspectives to inform discussions on the relevance of AI and divine principles in contemporary society.

### **C. Results and Discussion**

#### ***Analysis of the Principles of Divinity in Islam***

##### *Main Divine Principles in Islam that are Relevant to AI*

In an Islamic perspective, the use of artificial intelligence (AI) technology is a subject of important attention in ethical and moral studies. Several principles that are relevant in the Islamic view of the use of AI include monotheism, justice, equality, wisdom, responsibility, accountability, and respect for humans.

- a. The first is the principle of Tauhid, the concept of the unity of Allah, teaching that Allah is the absolute owner of all life and power. Thus, the use of AI must be in line with the principle that God has the prerogative over life, and humans are responsible for managing this trust (Pangiuk, 1997) .
- b. Next, the principles of justice and equality are important values in Islam. Therefore, the use of AI must ensure that there is no discrimination or injustice in decision making or use of the technology. Every individual must be treated fairly and equally (Anggoro, 2019) .
- c. Islam emphasizes the importance of wisdom in human actions. In the context of using AI, this means that the technology must be used with consideration and caution, and for good interests and to advance human welfare (Yudoprakoso, 2019) .
- d. Responsibility and accountability in the use of AI is also emphasized in Islam. Humans have a moral obligation to ensure that this technology is used properly and not misused for harmful purposes .

In the Islamic view, every individual has dignity and rights that must be respected. Therefore, the use of AI must respect human dignity and ensure that no actions or decisions ignore these values (Yudoprakoso, 2019) .

##### *Applying God to the Development and Use of AI.*

At the development stage of artificial intelligence (AI), the principles of justice and humanity demand that algorithms do not take sides or create injustice. This requires the use of data that reflects the diversity of the population and avoids any bias that may exist. Likewise, in implementing AI, applications must be designed to improve overall human welfare and avoid exploitation of certain individuals or groups. For example, in the development of AI healthcare systems, it is important to ensure that algorithms do not discriminate based on race or socioeconomic status (Sudirman et al., 2023) .

Accountability and transparency are also important principles in AI development, requiring developers to take responsibility for the decisions made by their algorithms and transparently explain the decision-making process. Clear documentation of the development process, data sources, and evaluation metrics is critical in enforcing this accountability. Next, principles (Rahmawati et al., 2023) .

Mercy and compassion emphasize the need to take into account the needs and interests of all stakeholders, including those who are vulnerable or underrepresented. Collaboration between various stakeholders in the development and use of AI is also very important. This involves collaboration between developers, researchers, government, civil society, and the private sector to identify and address ethical and social issues arising from the use of this technology (Raharjo, 2023) . Finally, the principle of conservation and environmental balance emphasizes the importance of taking into account the environmental impact of the use of AI, including in the selection of energy efficient computing infrastructure and management of e-waste. By taking these principles into account, the development and use of AI can be more in line with human and ethical values (Jemali, 2018) .

### ***Human Interaction with AI***

#### *Various Ways Humans Can Interact With AI*

Artificial Intelligence (AI) has revolutionized the way we live, work, and interact with the world around us. AI is embedded in a variety of applications, software, and robots that enable sophisticated and diverse human-AI interactions. Here are some examples:

- a. Application
  - 1) Virtual assistants such as Siri, Alexa, and Google Assistant allow users to interact with AI through voice commands and natural language. These assistants can be used for various tasks, such as setting alarms, playing music, making phone calls, and controlling smart home devices (Ji et al., 2023) .
  - 2) Social media apps like Facebook, Twitter, and Instagram use AI to personalize news feeds, recommend content, and detect inappropriate content. AI is also used to target ads to users based on their interests and behavior (Karnouskos, 2020) .
  - 3) Shopping Apps: Online shopping apps such as Amazon, Lazada, and Tokopedia use AI to recommend products to users, provide personalized offers, and enhance the shopping experience (Nagy & Hajdú, 2021) . AI is also used to detect fraud and protect user information.

b. Software

- 1) Image recognition software such as Google Photos and Apple Photos use AI to identify objects and people in images. This feature can be used to organize photos, create albums and share photos easily (Normalisa et al., 2022) .
- 2) Translation software like Google Translate and Microsoft Translator use AI to translate text and speech from one language to another (Suryawinata & Hariyanto, 2003) . This feature can help people communicate with other people from all over the world.
- 3) Predictive writing software like Grammarly and Word Perfect use AI to suggest appropriate words and phrases as users type. This feature can help improve the quality of writing and save time (Tanaka-Ishii, 2007)

c. Robot

- 1) Home assistant robots like Roomba and iRobot use AI to clean the house, avoid obstacles and map the environment. This robot can help keep the house clean and free from dust (Thalib et al., 2024) .
- 2) Surgical robots like the da Vinci Surgical System use AI to help surgeons perform operations with greater precision and less invasiveness. According to (Pashori & Iswadi, 2014) this robot can help improve surgical results and reduce patient recovery time.
- 3) Social robots such as Pepper and Paro use AI to interact with humans and provide companionship (Muhiddin, nd) . These robots can help reduce loneliness and improve the quality of life for the elderly and isolated people.

Human interaction with AI is becoming more sophisticated and diverse as AI technology develops. AI has the potential to improve our lives in many ways, but it is important to use AI responsibly and ethically.

*Divine Principles in Islam and Their Implications for Human Interaction with AI*

Artificial Intelligence (AI) has become an integral part of modern life, revolutionizing the way we live, work and interact with the world around us (Saputra et al., 2023) . Amid the rapid advancement of AI, it is important to consider the ethical and moral implications of the technology, especially in the context of religious values.

Islam, with its rich divine principles, offers valuable guidance to inform human interactions with AI (Simamora, 2023) . These principles, such as tauhid (oneness of Allah), hikmah (wisdom of Allah), and khalifah (human leadership), can help ensure that AI is developed and used ethically and responsibly.

The principle of monotheism emphasizes the oneness and superiority of Allah as the creator and ruler of the universe. This instills respect and humility in humans, reminding us that we are just creatures subject to God's will (Basuki, 2014) . In the context of AI, this awareness encourages us to use AI responsibly, not to imitate or replace God, but to improve human life in accordance with His will. God's wisdom, reflected in the wisdom and precision of His creation, encourages us to use AI in wise and beneficial ways. AI should not be used for purposes that damage or harm humans. Instead, AI should be used to improve human welfare, such as to advance science, improve health, and protect the environment (I Gede, 2023) .

Islam emphasizes the role of humans as caliphs on earth, entrusted with managing and protecting the universe (Marpaung, 2023) . This brings with it a great responsibility to use technology, including AI, responsibly and sustainably. We must ensure that AI does not degrade human values, such as freedom, justice and equality.

### ***Discussion***

#### *A Holistic View of the Role of AI and the Integration of Technological Innovation with Islamic Morality*

Artificial Intelligence (AI) has become a transformative force in human life, bringing new opportunities and challenges. A holistic view of the role of AI in the context of human life emphasizes the importance of integration between technological innovation and morality dictated by religions, such as Islam, including:

1. Key Divine Principles in Islam Relevant to AI and Their Implications for Human Interaction with AI provides a framework for understanding and guiding the ethical and responsible use of AI. Principles such as tawhid (oneness of Allah), hikmah (wisdom of Allah), and khalifah (human leadership) should be the basis for the development and use of AI.
2. AI should be used to improve human welfare and not cause harm. AI can help solve global problems such as poverty, hunger and disease. AI can also improve the quality of human life by providing better services in the fields of education, health and transportation.

3. However, AI can also be misused for nefarious purposes. AI can be used to spread misinformation, manipulate people, and even kill. It is important to develop safeguard mechanisms to prevent misuse of AI and ensure that AI is used for good.
4. Religious morality, such as Islam, provides important guidance for the ethical development and use of AI. Religious moral principles such as justice, equality, and compassion must be respected in the development and use of AI.
5. Integration between technological innovation and religious morality is key to ensuring that AI is used for good and not evil. By working together, scientists, engineers, and religious leaders can develop AI that benefits all of humanity.

#### **D. Conclusion**

Artificial Intelligence (AI) has profoundly changed the landscape of human life, bringing with it both great opportunities and new challenges. In looking at the role of AI holistically, the importance of integration between technological progress and religious morality, as taught in Islam, stands out. Islamic divine principles, such as monotheism, hikmah, and caliphate, provide an ethical foundation for the development and use of AI. AI should be focused on improving human well-being, addressing global challenges such as poverty and disease, while improving the quality of life through better education, health and transportation services. However, it is important to be aware that AI can be misused for malicious purposes, so it is important to develop adequate security mechanisms. Religious moral principles, such as justice and compassion, must be respected in the development and use of AI. With a strong integration between technological innovation and religious morality, AI can become a tool that benefits all of humanity, encouraging the realization of sustainable collective benefit.

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