



The Relevance of Immanuel Kant's Synthetic Epistemology in Bridging the Science Religion Dichotomy from an Islamic Perspective

Putri Setyaningsih¹, Dika Kusuma Jaya²

¹ Akuntansi, Fakultas Ekonomi dan Bisnis, Universitas Wahid Hasyim, Semarang, Indonesia

² Manajemen, Fakultas Ekonomi dan Bisnis, Universitas Wahid Hasyim, Semarang, Indonesia

correspondence email: putrisetyaningsih111@gmail.com

Abstract

The dynamics of the relationship between science and religion, particularly within the context of Islam, have been a longstanding debate in the history of human thought. Science, with its empirical approach, emphasizes methods of observation and experimentation, while religion in this case, Islam is founded upon revelation and faith. Immanuel Kant, through his epistemology of synthesis, offers a way to bridge this dichotomy by distinguishing between phenomena and noumena. This study aims to explore the relevance of Kant's epistemology in fostering a constructive dialogue between science and religion, as well as to identify the potentials and challenges faced within the Islamic context. The findings indicate that Kant's thought can serve as a foundation for a more harmonious interaction between these two domains.

Keywords: Epistemology; Synthesis; Immanuel Kant; Science; Religion; Islam

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A. Introduction

The dynamics of the relationship between science and religion, particularly within the context of Islam, present a complex and fascinating topic for study. Throughout the history of Islamic civilization, many Muslim scholars have successfully integrated the spirit of scientific inquiry with the values of faith. (Vera & Hambali, 2021). Figures such as Ibn Sina, AlFarabi, and AlBiruni are clear examples of how science and religion do not necessarily stand in opposition to one another. In fact, during the Golden Age of Islam, scientific progress flourished alongside strong spiritual and religious motivation. This demonstrates that within the Islamic tradition, the pursuit of knowledge is regarded as an act of worship and a form of devotion to God (Basri, 2019).

Nevertheless, in the modern era, new challenges have emerged in reconciling science and religion. The scientific approach, which tends to be secular and rooted in rationality, is often seen as neglecting the spiritual dimension, while religion is frequently accused of being irrational and dogmatic. This creates an epistemological tension that seems to limit the space for dialogue between the two. However, several contemporary Muslim thinkers, such as Seyyed Hossein Nasr and Harun Yahya, have sought to bridge this divide. They emphasize that science should not be detached from ethics and spiritual values, which can provide direction and meaning to scientific discoveries. (Eldes, 2015).

Within this framework, science and religion can be positioned not as competing entities, but as two distinct lenses through which reality is understood. Science helps humanity comprehend how the universe functions, while religion addresses the question of why the universe exists and what the purpose of human existence within it is. In Islam, the Qur'an contains numerous verses that encourage believers to think, investigate, and reflect upon the creation of God. Thus, science is not in conflict with religion; rather, it serves as one form of fulfilling the Divine command to seek knowledge and to understand the signs of His greatness (Octaviana & Ramadhani, 2021).

The reconciliation between science and religion in Islam is not only important for avoiding conflict but is also essential for building a holistic civilization one that is not only technologically advanced but also morally grounded and ethically conscious. By positioning religion as an ethical and spiritual guide, and science as a tool for wisely exploring and utilizing the universe, Muslims can play a strategic

role in addressing today's global challenges without losing their spiritual identity (Farah Syafirna et al., 2023).

B. Method

This study employs a qualitative approach using literature analysis to explore Immanuel Kant's thought on synthetic epistemology and its relevance in the context of the relationship between science and religion, particularly from an Islamic perspective. This approach was chosen because it enables an indepth and comprehensive understanding of complex philosophical concepts, while also allowing the researcher to trace the connections between Kant's ideas and contemporary Islamic thought (Miles et al., 2015).

The data in this study were collected through an examination of various relevant academic sources, including Immanuel Kant's original works such as *Critique of Pure Reason*, as well as secondary literature in the form of books and scholarly journal articles discussing Kantian epistemology, a priori synthesis, and how these concepts are understood or interpreted within the Islamic intellectual tradition. Literature addressing the relationship between science and religion in Islam both from classical and modern perspectives also served as a primary focus in the data collection process (Iryana & Kawasati, 2020).

Through this literature analysis, the study seeks to identify points of convergence between the rational and empirical approaches of science and the transcendental approach of religion. Within Kant's framework of thought, the synthesis between reason and experience forms the basis for valid knowledge. This concept is then used as a lens to examine how, in Islam, reason and revelation are not positioned in opposition, but rather complement each other in forming a holistic understanding of reality (Sugiyono, 2016).

Thus, this study not only examines the philosophical aspects of Kant's epistemology but also seeks to offer a new contribution to the discourse on the integration of science and religion. The synthesis proposed by Kant serves as an inspiration to understand that the separation between science and religion is not an inevitability, but rather an epistemological challenge that can be bridged through an open, reflective, and interdisciplinary approach.

C. Result and Discussion

The literature review findings indicate that the synthetic epistemology developed by Immanuel Kant is based on the distinction between noumena and phenomena. Within this framework, phenomena are understood as all forms of reality accessible through the senses and constructed through empirical experience. Meanwhile, noumena refer to the "thing-in-itself," which lies beyond direct human perception. Kant asserts that knowledge does not arise solely from experience (a posteriori) or pure reason (a priori), but rather from the synthesis of both. Thus, he emphasizes that human understanding of the world always undergoes a process of reasoning and sensory perception, which inherently limits the ability to fully and objectively grasp reality (Immanuel Kant, 1990).

These findings serve as a crucial foundation for understanding the relationship between science and religion. Since science can only access the phenomenal realm—what is observable and testable through observation and experimentation—while religion operates within the noumenal domain, which encompasses transcendent and metaphysical meanings, the two should not be positioned in conflict (Farah Syafirna et al., 2023). Kant offers a relational model that emphasizes the autonomy of each domain while still allowing for the possibility of mutual complementarity. In this view, science provides rational and measurable explanations of the empirical world, while religion offers meaning and values that transcend sensory limitations. The collaboration between the two can enrich human understanding of life, not only from a functional perspective but also from an existential and spiritual one (Dinata, 2021).

In further discussion, the Kantian approach asserts that science and religion should be understood as two forms of knowledge that operate in different dimensions but do not negate each other. Science, with its empirical and rational approach, focuses on how the world works—analyzing natural laws, causal relationships, and objective facts (Moch. Nurcholis, 2021). Conversely, religion originates from a metaphysical dimension that seeks to answer fundamental questions about meaning, values, and the purpose of life. As a result, scientific knowledge cannot fully encompass the existential domains that religion focuses on, such as the origin of life's meaning, free will, or humanity's ultimate purpose (Mujib, 2019).

With this conceptual distinction, Kant's approach actually provides a meeting point that enables a constructive dialogue between science and religion. Rather than negating each other, both can be complementary when positioned within their respective contexts and functions proportionally (Saputra, 2022). Science provides humanity with the tools to understand and master the physical world, while religion equips individuals with moral and spiritual guidance for navigating life. Therefore, Kantian synthesis not only mitigates potential conflicts between the two but also promotes a more holistic integration of knowledge, where rationality and spirituality coexist in shaping a comprehensive worldview (AlHabibi, 2023).

The study of Islamic literature reveals a significant intersection between Kantian epistemology and the Islamic perspective on knowledge, particularly in recognizing both the role of reason and its limitations. In the Islamic intellectual tradition, reason and knowledge are viewed as divine gifts that must be utilized to understand the universe and strengthen faith (Rahman et al., 2022). The Qur'an explicitly encourages the acts of thinking, researching, and contemplating God's creation as a path toward recognizing His greatness. However, Islam also affirms that human reason has limitations in fully grasping the essence of reality, thereby necessitating the guidance of revelation as a source of transcendent knowledge that complements human rationality. (AlHabibi, 2023).

In this context, Kant's thought can be seen as a conceptual bridge that reinforces the understanding that knowledge in Islam is neither neutral nor valuefree, but must be guided by the principle of tawhid and the ethical values derived from religion (Haris, 2017). The Kantian perspective, which distinguishes between empirical reality (phenomena) and reality beyond sensory perception (noumena), aligns with the Islamic view on the limitations of reason and the necessity of revelation. Thus, in Islam, religion not only serves a theological function but also plays an epistemological role in guiding the pursuit and application of knowledge, ensuring that it remains within the framework of divine values and the wellbeing of humanity. (Soelaiman, 2019).

Kant's emphasis on morality as the core of rational human life is a crucial element that strengthens the relevance of his approach in the dialogue between science and religion. In *Critique of Practical Reason*, Kant asserts that morality originates from practical reason, not from experience or external impulses, and serves as the foundation for both freedom and ethical responsibility. According to

Kant, morality is not merely a guide for personal life but a universal principle that should direct human actions (Immanuel Kant, 1990). This perspective strongly intersects with moral principles in Islam, where *akhlaq* (ethics) serves as the foundation for all aspects of life, including scientific endeavors. Islam emphasizes that reason must be guided by ethical values derived from revelation to ensure that it remains aligned with the purpose of human creation as *khalifah* (stewards) on earth.

In the context of knowledge, Islam does not separate science from moral and spiritual dimensions. Knowledge must not be used solely for material gain or power but should instead bring benefit, justice, and balance to humanity and the universe (Rofiq, 2018). Therefore, morality becomes a crucial meeting point in establishing a harmonious framework between science and religion. By making ethics a common foundation, both the Kantian approach and Islamic scientific principles encourage the development of knowledge without losing its valuebased direction. This is where the great potential lies for integrating Western and Islamic epistemology, in fostering a civilization that is not only technologically advanced but also deeply rooted in moral and spiritual responsibility (Suaedi, 2016).

The final discussion of this study emphasizes the importance of synthesizing science and religion as a strategic foundation for sustainable civilizational development. Kant's epistemology, which positions religion as the moral foundation and highlights the limitations of reason in fully grasping reality, provides a relevant conceptual framework for bridging the dichotomy between knowledge and faith. When these principles are combined with the Islamic perspective that views knowledge as an act of worship and reason as a divine gift, an integrative scientific paradigm emerges (Kosat, 2020). Amid rapid technological advancements and the moral crisis facing the modern world, this approach becomes increasingly urgent to ensure that the trajectory of civilizational development does not lose its spiritual and ethical dimensions.

With this synthetic approach, Muslims have a great opportunity to revive a scientific tradition rooted in *tauhid* while remaining open to rational development and scientific methods. This allows for the creation of knowledge that is not only technically functional but also morally and spiritually meaningful. Such a paradigm also serves as a solution to the trap of extreme secularism, which separates knowledge from values, as well as dogmatic approaches that reject reason and

innovation (Saputra, 2022). Therefore, the integration of Kantian epistemology and Islamic scientific principles can serve as the foundation for a civilized society rooted in faith, grounded in reason, and oriented toward the wellbeing of humanity.

D. Conclusion

The epistemology of Immanuel Kant's synthesis offers significant potential in bridging the dichotomy between science and religion, particularly within the context of Islam. By distinguishing between the realms of phenomena and noumena, Kant demonstrates that science and religion operate in different domains yet complement each other. This approach acknowledges the limitations of human reason and experience in fully grasping reality while also making room for the role of revelation and morality in shaping meaningful knowledge. In the Islamic tradition, this perspective aligns with the teachings that position reason and revelation as two integrated sources of knowledge. Thus, Kant's epistemology can foster constructive dialogue and strengthen a harmonious understanding between science and religion in addressing the challenges of modern life.

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