

## Mapping the Future of Islamic Studies and Research in the Digital Frontier

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### ABSTRACT

This article discusses the future prospects of Islamic studies and research in the digital era. In the era of globalization and digital technology, access to information and knowledge has become easier and faster. Therefore, this article focuses on how digital technology can be used as a tool to develop Islamic studies and research. There are three main components that need to be considered in mapping the future of Islamic studies and research in the digital era: the use of digital technology in the teaching and learning process, the development of Islamic content digitally, and global collaboration to strengthen Islamic research. This article also considers the challenges and opportunities faced in developing Islamic studies and research in the digital era, such as conflicts of interest, data security and privacy, as well as infrastructure and human resource limitations. Therefore, this article is expected to provide a clear perspective and possible solutions to promote quality Islamic studies and research in a digital context.

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## 1. Introduction

In the digital age, technology has significantly impacted human education and research, particularly in the field of Islamic Studies. This has led to the development of digital tools and resources for studying Islam, including the internet, academic communication, and dissemination of research findings. Platforms like learning and research have made studying Islam more effective, allowing students to access courses without having to travel physically. Global communication and collaboration have also been facilitated by digital technologies, promoting global perspectives and understanding of Islam (Saeed, 2018). Additionally, the development of artificial intelligence (AI), data analysis, and mathematical analysis has the potential to improve the way research is conducted in the field of Islamic studies.

## 2. Literature Review

### 2.1 Introduction to the Digital Frontier And Islamic Studies on Technological Development and Its Influence on Islamic Studies

Digital frontier refers to the development of information and communication technologies, particularly in the field of Islamic studies. It significantly impacts human life, particularly in the study of Islam (Zaman, 2017). Digital frontier enables greater access to information, enabling global collaboration and research, enhancing the perspective of Islamic studies and promoting new methodologies in data analysis, analysis, and visualization (Bunt, 2019). Digital technology influences the

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study of Islam and Riset, enabling faster and more accurate data collection through online surveys, social media analysis, and virtual experiences. This technology also enhances understanding of Islamic law and teaching methods, providing opportunities for global learning (Allievi, 2017). Technology's impact on Islamic Knowledge: Internet as a global platform, digitalization of classical Islamic texts, ease of communication, social media forums, podcasts and videos, and non-academic access (Bashier, 2020). Digital platforms have become essential for enhancing knowledge, increasing accessibility, and facilitating collaboration in Islamic studies. However, they also pose challenges such as data validity, data privacy, and information quality in the digital era (Mir, 2015).

### **2.2 E-Learning, Digital Resources and Islamic Education for Islamic Research**

E-Learning and blended learning in Islamic education offers flexibility, global reach, interactive and visual learning, and online collaboration (Mustafa, 2019). Positively impacting the growth and participation of Islamic education worldwide. Digital platforms for Islamic studies include Hadis data, klasik texts, Tafsir, bibliography, concepts, and visualization, enabling faster research, relevant references, and more accurate analysis (Elhaik, 2017). They also facilitate reference exchange between various texts and materials, improving the quality and validity of online learning materials. Digital research also enhances understanding complex interrelationships within the Islamic faith (Rozaliyani & Saputra, 2021).

### **2.3 Digital Humanities in the Context of Islamic Studies**

Digital Humanities (Humaniora Digital) is a digital approach used in Islamic studies to apply digital methods and techniques for analyzing and interpreting Islamic sources (Risam, 2018). It uses technology, data collection, and visualization to understand complex aspects of Islam, including religion, history, classical texts, and Islamic culture. The benefits of Digital Humanities include textual analysis, data visualization, comparative study, concept understanding, and temporal and spatial measures to facilitate the development of Islamic knowledge and culture. This approach helps in understanding the interplay between religion, history, and Islamic texts (Allington, Brouillette, & Golumbia, 2016).

Benefits of Digital Science for Islamic Research (Kozak, 2019):

- a. Text Analysis: Digital Humanities enables text analysis in greater depth, including information extraction, word correlation, and frequency analysis.
- b. Data Visualization: Graphics and visualization help visualize the relationship between concepts, historical developments, and patterns in Islamic data.
- c. Comparative studies: Facilitating comparison of classical texts, interpretations, and interpretative traditions of different periods and scholars.
- d. Network of Concepts: Helps to understand the network of concepts and relationships in Islamic doctrine, law, and philosophy.
- e. Temporal and Spatial Mapping: Helps mapping the historical development and spread of Islamic culture.

## **3. Methodology**

This research involves gathering and analyzing relevant articles, books, and journals using academic databases like Google Scholar, ResearchGate, and specialized databases, with criteria including relevance, publication year, and verified summaries.

## **4. Results and Discussion**

**4.1** It is a necessity for adults, especially parents, to strive diligently in rectifying their children's mistakes at all times, *The Future of Islamic Studies in the Digital Age*

### *4.1.1 Describing Islamic Studies will continue to Develop in the Digital Era in the Future*

In the rapidly evolving digital era, Islamic studies have the potential to undergo significant transformation. Some predictions for this transformation include improved access to information about Islam, such as scholarly texts, academic journals, books, and textbooks, which will enable students and researchers to access more material online, reduce physical barriers, and enhance physical education. Additionally, digital technology will enable Islamic education through online courses, allowing students from various countries to access Islamic courses without needing to travel, thus increasing their educational accessibility (Mir, 2015). Virtual communities and online platforms enable learning, research, and teaching of Islam to be discussed, debated, and various knowledge gained. This can prevent idea generation and geographical collation. Digitalization of classical texts in Islam studies can make access easier and more beneficial. Analytical technology can help identify trends in research and understanding Islam, aid decision-making, and broaden study focus. Digitalization can also foster interdisciplinary approaches in Islam studies, combining academic, sociological, science, information technology, and communication literature (Bunt, 2019).

#### *4.1.2 The Influence of the Paradigm and Methodology of Islamic Studies in the Digital Era*

The study of Islam can become more inclusive and diverse due to its exposure to various perspectives and interpretations worldwide. The digital era can enhance the methodological approach to understanding and interpreting Islam, leading to a more pluralistic interpretation. The use of non-textual resources like video, audio, and multimedia can also enhance research methodology. The use of digital technology can enhance the exploration of classical texts and understanding of Islam. It also enhances the quality and integrity of information, making research more thorough. Despite its influence on various aspects of Islam studies, technology remains crucial for maintaining quality and integrity in research (Elhaik, 2017).

#### **4.2 Future Research Challenges and Opportunities**

The first aspect of the digital age of Islamic studies includes the quality of information, the validity of materials, the rapid development of technology and format, the influence of technology, and the influence of subjects. Information is often gathered from unreliable sources, which can lead to unreliable content or a lack of credibility. The use of digital technology can enhance the quality, validity, and quality of digital information, allowing for global collaboration with various academic disciplines and the use of new language in Islamic texts. Online learning platforms can also be used for various forms of education with a wider reach. Digital pedagogy can be applied to traditional Islamic texts and other valuable resources, increasing accessibility and relevance for future generations. Digital research methods, such as large-scale data analysis or virtual reality technology, can be used to teach Islamic subjects effectively. By effectively using these methods, researchers can contribute to the development of more inclusive Islamic studies, provide accurate information, and have relevance in modern contexts (Bashier, 2020).

The first challenge in implementing Islamic studies in digital fields involves addressing some aspects (Burrows, 2002): :

- a. information quality  
Digital era offers easy access to information but also has the potential to provide unreliable, unreliable, or unreliable content, primarily derived from information with low quality.
- b. Source validity  
Many digital resources lack verification or akademis validity, making their accessibility and usage more complex in digital environments, necessitating the development of good evaluation tools.
- c. Sustainability of Digital Materials  
Digital technology and format are rapidly evolving, but there is a risk of damaging the material if not properly stored, potentially affecting the need for crucial data.
- d. Technology Dependence  
Digital technology offers numerous benefits, but it also poses significant risks, potentially hindering research efforts to develop traditional methods like reading and analyzing classical texts.
- e. Access Limitations  
Despite easier access, not all people have access to digital technology and the internet, which can create barriers in access to knowledge.

Digital technology can enhance Islamic studies by improving the quality, validity, and quality of digital information. This includes sharing available and unavailable information, global collaboration with various academic disciplines, and using analytical technology to use new language in Islamic texts, identify patterns, and explore unexplored connections. Online learning platforms can provide more extensive knowledge and enhance the accessibility and relevance of traditional Islamic texts to younger generations. Digital research methods, such as large-scale data analysis or virtual reality technology, can be used for teaching Islamic subjects effectively, contributing to more inclusive Islamic studies, providing accurate information, and gaining relevance in modern contexts.

#### **4.3 Recommendations for the Development of Islamic Studies in the Digital Era**

Based on the analysis of the study of Islam in the context of digital technology development, several recommendations can be made for further development (Duderija, 2015).

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- a) The development of an Online Learning Platform that is credibility.: To meet the increasing needs of secondary education, an online learning platform with credit and high quality is needed, offering quality courses, authentic materials, and interactive interaction with students.
- b) The text focuses on the improvement of the discipline of research: Islam study is entering an interdisciplinary era, combining academic approach with social, humaniora, and technological literature to provide a more comprehensive understanding of Islam's role in modern society.
- c) The use of analytical technology is a crucial aspect of research and development: Analytical research uses analytical technology to analyze classical and Islamic texts, helping identify new patterns and concepts that enhance understanding of Islamic teachings and history.
- d) Digital literacy is crucial for promoting literacy, including linguistic texts, reading, and writing skills. This can be achieved through digitalization projects and good communication.
- e) Collaboration between communities and religions can help address local issues and promote understanding of Islam from various perspectives through research, collaboration, and international conferences.
- f) Mobile application development and interactive : content can enhance understanding of Islam in a more engaging and accessible manner for younger generations, including educational games, virtual tours to educational sites, and interactive simulations of Islamic concepts.
- g) Digital literacy training is essential for developing digital skills, such as online information evaluation, digital data analysis, and using digital tools for Islamic studies. This will help them adapt to technological changes.
- h) Digital ethics research should also focus on the ethical issues related to digital technology, privacy, and social technology, to provide guidance for Muslims in interacting with technology.
- i) Digital literacy education aims to provide critical skills for students to understand, understand, and use digital technology effectively.
- j) The Islamic educational institutions must develop relevant curriculums that cover technology, digital ethics, and the use of technology in academic studies.

Through the integration of Islamic traditions with the potential of digital technology, the development of the Islamic study can become more dynamic, inclusive, and relevant to the needs of modern society.

## 5. Conclusion

The shift towards digital education has led to significant changes and benefits for Islamic studies. Digital access to information, the ability to collect data, and the use of analytical technology can enhance understanding of Islam in various aspects. However, challenges such as the availability of digital information, data validity, and information quality still need to be addressed. The evaluation of information, digital literacy, and digital material preservation are crucial. Recommendations for further development include improved online learning platforms, more extensive interdisciplinary research, the use of analytical technology, digital material education, and intercultural and religious collaboration. The integration of Islam with digital technology has the potential to enhance Islamic studies, challenge contemporary tensions, and positively contribute to digital-based understanding and dialogue.

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