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Foreword

By the grace of Allah, it is a great pleasure to introduce this issue of **The International Journal on Islamic Applications in Computer Science and Technology**

During the 12th year of the publication of this Journal, this issue is the 47th of this journal. We thank Allah for enabling us to continue all through these years. With the wide specialization of this Journal, it attracted contributions from researchers from all over the world. We pray to Allah to put his “Baraka” in the contents of the Journal and spread the fruits of its contents in the future.

This issue contains three papers. The first one is entitled **A Systematic Review of Machine Learning Algorithms for Mental Health Detection Using Social Media Data**

The paper reviews methods used in recent studies related to mental health issues, such as natural language processing, sentiment analysis, and boosting algorithms, based on 100 peer-reviewed articles. These methods are grouped into supervised and unsupervised machine learning algorithms. Finally, the gaps are we identified, such as a lack of clinical assessment and psychological acknowledgment in current studies. Overall, integrating psychological acknowledgment with machine learning are suggested to improve accuracy and responsibility in using machine learning for mental health assessment on social media.

The second paper is entitled of **Mindfulness for Teenagers Students: Designing an Effective Islamic Digital Therapeutics Through Adult Insights**

This study aimed to identify key Islamic design elements and mindfulness practices suitable for digital adaptation, develop a prototype application, and evaluate its impact on Muslim teenagers' mental well-being. Additionally, this research conducted an extensive investigation into the development of an innovative Islamic digital therapeutic application with the goal of enhancing mindfulness and overall mental well-being among Muslim teenage students. It was determined through this study that mindfulness plays a crucial role in the mental health of adolescents, and there is a substantial lack of digital mental health resources specifically tailored to this demographic. A prototypical app was created, based on adults’ perceptions on impact of the mental well-being of Muslim teenagers was assessed. The app seamlessly integrates evidence-based psychological interventions with Islamic principles and design elements. The research paper explores the efficacy and acceptance of "Islamic Mindfulness for Teens," a specialized digital therapeutics mobile application designed to address the mental health concerns of teenagers within the Islamic community. The app blends evidence-based psychological interventions with relevant Islamic design and content, offering a holistic mental health support system.

The third paper is entitled **The Future of Zakat in Blockchain Era: Opportunities and Implementation Challenges**

This paper examines the potential of blockchain to streamline zakat processes through features like decentralization and smart contracts, thereby improving fund allocation, reducing fraud, and lowering operational costs. Despite its promising benefits, the adoption of blockchain in zakat management faces significant technical, regulatory, and sociocultural challenges. A thorough analysis of these barriers is crucial for developing effective strategies to overcome them and successfully integrate blockchain systems. Ultimately, this study highlights the need for targeted research and collaborative efforts to support more transparent and impactful zakat distribution.

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