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Applied Information Systems and Management (AISM) is a peer-reviewed, scientific journal published by Department of Information Systems, Faculty of Science and Technology, Universitas Islam Negeri (UIN) Syarif Hidayatullah Jakarta. The aim of this journal is to publish the quality articles which are ideas between academics and practitioners, it focuses on the practice, philosophy and methodological concerns of information systems and management. its scope covers a critical view of the information system, development, implementation, strategy, management and policy issues.

AISM publishes twice a year. The journal provides archival-quality papers that advance the state-of-the-art and practical applications of IT-enabled technologies and IT-based service management. It also brings accessible articles describing original research in the inherently interdisciplinary world of information systems and its management. Theoretical research contributions (presenting new concepts and techniques) and applied contributions (reporting on experiences and experiments with actual systems) are encouraged.

# Editorial Review: Synergizing Artificial Intelligence and Strategic Management for Digital Resilience

A'ang Subiyakto<sup>1</sup>, Qurrotul Aini<sup>2</sup>

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It is clear that the current state of affairs concerning rapid digital transformation has led to drastic changes in the industrial scenario. However, this situation poses a challenge for not only embracing technological advancement in the digital era but also managing it in an effective manner for survival [1]. In addition, in response to the pace of changes for both Industry 4.0 and Society 5.0, the integration of Artificial Intelligence (AI), big data analytics, and IT governance has become the determinant factor in the survival of the industrial sector [2], [3]. Presently, for any business and institution, the focus has shifted from mere digitalization of activities to intelligent systems that can solve complicated situations in the sectors of health care, education, and business, including preserving cultures [4].

It is an honor for me to introduce this special issue of AISM that showcases Vol. 8, No. 2, October 2025. The special issue contains several highly influential findings in the field of IS, covering different areas that include the use of more advanced versions of artificial intelligence and machine learning for predictive analytics tasks, risk and governance of IT, and assessment of user experience to promote digital inclusiveness.

The first theme deals with applying Deep Learning and artificial Intelligence in addressing important human needs. For example, Islam et al. [5] demonstrate the role of artificial Intelligence in healthcare applications in building an automatic system that uses YOLOv8 and CNNs for glaucoma detection in images of large-scale images. Another human need dealt with in this area is cultural conservation. Examples include the use of CNNs in classifying and preserving Padang cuisine cultures in mobile applications proposed by Benarkah et al. [6] predictive models also play an important role in addressing human needs in different areas, such as education [7].

The second theme revolves around strategic governance and resilience. Religia et al. [8] present a critical review incorporating the TOE framework in understanding the inhibiting factors of e-commerce in Indonesian SMEs, emphasizing the need for focused interventions to ensure business resilience. In the financial industry, Wibowo et al. [9] analyze risk control in digital initiatives in state-owned banks, outlining an holistic approach for risk control that encompasses the Project Management Body of Knowledge (PMBOK) guidelines and ISO 31000 standards. In this context, Safrianto [10] illustrates the process of aligning Information Technology efforts in asset-intensive sectors through the use of the Open Group Architecture Framework (TOGAF) Architecture Development Method (ADM).

The third theme in this issue focuses on user-centered design and technology acceptance. Research by Bagye et al. [11] integrates the Technology Acceptance Model (TAM) and the Technology Readiness Index (TRI) to evaluate smart home adoption in developing regions. Similarly, Imtihan et al. [12] explores the intersection of government trust and technology acceptance to explain public engagement in local e-government platforms.

The third theme revolves around user-centered design and technological acceptance. Bagye et al. [11] use the Technology Acceptance Model (TAM) and Technology Readiness Index (TRI) to evaluate the extent of smart home adoption in the context of developing areas. Likewise, Imtihan et al. [12] explore the role of government trust and technological acceptance in understanding citizen engagement in local e-government portals.

In this issue of AISM, there are 20 articles of genuine interest that are authored or co-authored by 66 authors from seven different nations: Indonesia, Malaysia, Bangladesh, Palestine, Japan, Saudi Arabia,

and the United Kingdom. Thus, this issue of AISM is testament that the coverage of this journal has gone beyond Global North and Global South nations and that it is addressing and contributing to the international need for intelligent systems. It is hoped that this issue of AISM will be of some use in inspiring further explorations within the synergy that exists between intelligent systems and strategic management.

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