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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: Intelligent Systems, Digital Transformation, and Data-Driven Governance

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The Information Systems (IS) discipline continues to evolve in response to rapid technological advancement, organizational transformation, and growing societal demands for data-driven decision-making. Recent studies indicate that contemporary IS research is increasingly characterized by the convergence of artificial intelligence (AI), digital governance, enterprise transformation, and human-centered innovation. As organizations seek to harness the value of data and intelligent technologies, researchers are simultaneously addressing challenges related to usability, trust, governance, strategic alignment, and sustainable impact. Moreover, emerging developments in machine learning, enterprise architecture, and digital ecosystems are reshaping how information systems support organizational performance, public services, and societal well-being [1]–[5].

It is our pleasure to introduce the regular issue of Applied Information System and Management (AISM), Volume 9, Number 2, October 2026. This issue presents 20 original research articles authored and co-authored by 86 scholars from eight countries, namely Indonesia, Malaysia, Japan, Türkiye, Australia, Taiwan, Sweden, and Oman. The published articles reflect a wide range of contemporary Information Systems topics, demonstrating the interdisciplinary nature of the field and its growing relevance in addressing technological, organizational, and societal challenges. Collectively, the contributions illustrate how information systems have evolved from operational support tools into strategic enablers of innovation, governance, and sustainable development.

The first theme emerging from this issue focuses on Intelligent Analytics and Artificial Intelligence for societal and organizational impact. The articles within this theme demonstrate the transformative role of AI, machine learning, deep learning, computer vision, and predictive analytics in generating actionable insights from complex and heterogeneous data sources. Research on predictive maintenance, intelligent

environmental monitoring, cyberattack detection, content moderation, agricultural quality assessment, and human-AI collaboration reflects the growing deployment of intelligent systems across diverse sectors. Beyond merely improving technical performance, these studies emphasize the strategic role of analytics and AI in enhancing decision quality, automating complex processes, mitigating risks, and supporting sustainable outcomes. The findings also indicate a broader shift toward socio-technical perspectives, where technological capabilities must be balanced with human expertise and organizational readiness. This theme includes the articles [6]–[9].

Building upon the capabilities enabled by intelligent technologies, the second theme examines Human-Centered Information Systems Design and Digital Service Innovation. While technological sophistication continues to advance, the success of information systems ultimately depends on how effectively they meet user needs and create value for stakeholders. The contributions within this theme emphasize usability, accessibility, user experience, participatory design, and service-oriented innovation across healthcare, education, business, and community contexts. The growing adoption of Design Science Research approaches demonstrates the field's commitment to developing practical, evidence-based solutions while maintaining academic rigor. These studies reaffirm that successful digital innovation requires not only robust technical architectures but also meaningful engagement with users and organizational stakeholders. Consequently, human-centered design remains a critical foundation for ensuring system adoption, user satisfaction, and long-term sustainability. Representative articles in this theme include [10]–[12].

As information systems become increasingly embedded within organizational processes, attention naturally shifts toward the broader challenges of transformation and governance. Therefore, the third theme centers on Digital Transformation, Governance, and Organizational Capability. The articles grouped

within this theme collectively demonstrate that successful digital transformation extends beyond technology implementation and requires effective governance structures, strategic alignment, organizational capabilities, and institutional readiness. Contemporary organizations operate in highly dynamic environments where digital initiatives must be coordinated with business objectives, regulatory requirements, and stakeholder expectations. Research on IT governance, digital capabilities, research data management, government transformation, and enterprise architecture illustrates how organizations can build resilience and adaptability while maximizing the value of technological investments. The studies also highlight the importance of integrating human, managerial, and technological dimensions within digital transformation efforts. This theme encompasses [13]–[15].

Extending these organizational perspectives, the fourth theme highlights Data-Driven Decision Support and Strategic Management. In an era characterized by data abundance and increasing uncertainty, organizations require structured analytical approaches to support informed decision-making. The studies within this theme demonstrate how forecasting models, systematic literature reviews, analytical frameworks, and multi-criteria decision-making methods contribute to evidence-based planning and strategic management. These contributions underscore the evolving role of information systems as platforms for organizational intelligence, enabling managers, policymakers, and practitioners to make more accurate, transparent, and accountable decisions. The integration of analytical techniques with management processes illustrates the continuing maturation of Information Systems as a discipline capable of addressing complex societal and organizational problems. This theme includes [16]–[18].

Taken together, the articles in this issue illustrate the increasing convergence of intelligent technologies, human-centered innovation, digital transformation, governance, and decision support within contemporary Information Systems research. They demonstrate that future IS solutions must not only be technologically advanced but also strategically aligned, socially responsible, and responsive to organizational and societal needs. The diverse contributions presented in this issue reaffirm the role of Information Systems as a multidisciplinary field that connects people, processes, data, and technology to generate meaningful impact.

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