E-ISSN 2985-6396
P-ISSN 2985-5306

Accredited SINTA 4

VOLUME 4
ISSUE 2
JUNE 2026

JOURNAL OF ARTIFICIAL INTELLIGENCE AND TECHNOLOGY INFORMATION (JAITI)

JOURNAL

THIS ISSUE HAS BEEN AVAILABLE ONLINE SINCE JUNE 21, 2026, AS THE REGULAR JUNE 2026 EDITION.

ALL ARTICLES ARE RESEARCH ARTICLES WRITTEN BY 62 AUTHORS FROM 12 INSTITUTIONS

UNIVERSITAS SAM RATULANGI, UNIVERSITAS HASYIM ASY'ARI, INSTITUT SENI BUDAYA INDONESIA TANAH PAPUA, UNIVERSITAS TEKNOKRAT INDONESIA, UNIVERSITAS JEMBER, UNIVERSITAS ISLAM NEGERI SIBER SYEKH NURJATI CIREBON, POLITEKNIK NEGERI CILACAP, UNIVERSITAS PGRI SEMARANG, UNIVERSITAS BINA SARANA INFORMATIKA, UNIVERSITAS MUHAMMADIYAH PROF. DR. HAMKA, INSTITUT TEKNOLOGI SUMATERA, UNIVERSITAS MERCU BUANA FROM INDONESIA.

TECH CART PRESS

ISSN : 2985-6396 (ONLINE)
P-ISSN : 2985-5306 (PRINT)

General Information

Journal of Artificial Intelligence and Technology Information (JAITI) is a peer-review journal focusing on Artificial Intelligence and Technology Information issues. Journal of Artificial Intelligence and Technology Information (JAITI) invites academics and researchers who do original research in artificial intelligence and technology 1nfromation.Journal of Artificial Intelligence and Technology Information (JAITI) is published by Tech Cart Press in March, June, September, and December every year. Journal of Artificial Intelligence and Technology Information (JAITI) accept articles in Bahasa Indonesia and English.

Journal of Artificial Intelligence and Technology Information (JAITI) has ISSN 2985-6396 (Online) in accordance with the letter of Statement Number 29856396/II.7.4/SK.ISSN/02/2023, and ISSN 2985-5306 (Print) in accordance with the letter of Statement Number 29855306/II.7.4/SK.ISSN/02/2023.

We are proud to announce that our journal has successfully achieved accreditation from the Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi with Number: 156/C/C3/KPT/2026 with a SINTA 4. This achievement is the result of the dedication and hard work of the editorial team, reviewers, and writers who have contributed to maintaining the quality of the published articles. With this accreditation, we are committed to continuing to improve the quality and relevance of published research, as well as expanding the scientific impact on the national and international scope. Thank you to all parties who have supported the development of our journal. We hope that this journal will continue to be a forum for the publication of high-quality scientific works in the future.

Focus and Scope

Journal of Artificial Intelligence and Technology Information (JAITI) is a periodical journal of scientific publication of the results of studies and original research in the science of Artificial Intelligence and Technology Information. Journal of Artificial Intelligence and Technology Information (JAITI) was built with the aim to expand and create innovative concepts, theories, paradigms, perspectives, and methodologies in the sciences of Artificial Intelligence and Technology Information. The articles published in the Journal of Artificial Intelligence and Technology Information (JAITI) can be the result of conceptual thinking, ideas, innovation, creativity, best practices, book review, and research results that have been done.

The study of other sciences that examine topics related to Artificial Intelligence and Technology Information is not limited to: Decision Support System, Data Mining, Expert system, Big Data, Text Mining, Internet of Things, Machine Learning, Artificial Intelligence System, Information System, Mobile computing, and Other Relevant Study Topics.

Open Access

Journal of Artificial Intelligence and Technology Information (JAITI) provides direct open access to its content on the principle of making scientific articles freely available to the public and supporting greater global knowledge exchange. By adapting The Budapest Open Access Initiative, this journal allows readers to read, download, copy, distribute, print, search for, or link to the full text of its articles and use it for other legitimate purposes. However, the works/articles in this journal are also tied to The Creative Commons Attributions-ShareAlike 4.0 International License.

VOLUME 4 NUMBER 3 SEPTEMBER 2026
ISSN : 2985-6396 (ONLINE)
P-ISSN : 2985-5306 (PRINT)

Editorial Foreword

Assalamu'alaikum Warahmatullahi Wabarakatuh,

We would like to express our gratitude to Almighty God for the publication of the latest issue of the Journal of Artificial Intelligence and Technology Information (JAITI). As a scientific journal focusing on the development and application of artificial intelligence and information technology, JAITI remains committed to serving as a high-quality publication platform for academics, researchers, practitioners, and students to disseminate innovative and impactful research findings that contribute to the advancement of science and technology. JAITI is published regularly four times a year by Tech Cart Press and accommodates publications in both Indonesian and English.

The rapid advancement of artificial intelligence, machine learning, data mining, decision support systems, the Internet of Things, data analytics, and various other fields of information technology has brought significant transformations across many sectors of society. Therefore, the need for scientific publications capable of bridging research outcomes with practical implementation has become increasingly important. Through this issue, we present a collection of articles addressing current issues, innovative methodologies, and technology-based solutions that are expected to contribute to both academic and industrial communities.

We would like to extend our sincere appreciation to all authors who have entrusted their scholarly works to be published in JAITI. Our highest gratitude is also directed to the reviewers and members of the editorial board who have dedicated their time, effort, and expertise to maintaining the quality of each manuscript through an objective and constructive review process. Their contributions play a vital role in upholding the academic standards and scientific integrity of this journal.

We hope that the articles published in this issue will serve as valuable references, broaden scientific perspectives, and encourage the emergence of more innovative future research in the fields of Artificial Intelligence and Information Technology. We also invite researchers, academics, and practitioners to continue participating in the advancement of knowledge through the publication of their best scholarly works in JAITI.

Finally, we hope that this issue will provide broad benefits to readers and contribute to the advancement of research, innovation, and the application of information technology and artificial intelligence at both national and international levels.

Thank you for your continued support of JAITI.

Wassalamu'alaikum Warahmatullahi Wabarakatuh.

Sincerely,

Editorial Team Journal of Artificial Intelligence and Technology Information (JAITI)

VOLUME 4 NUMBER 3 SEPTEMBER 2026
ISSN : 2985-6396 (ONLINE)
P-ISSN : 2985-5306 (PRINT)

Editorial Team

VOLUME 4 NUMBER 3 SEPTEMBER 2026
ISSN : 2985-6396 (ONLINE)
P-ISSN : 2985-5306 (PRINT)

Table of Content