the Asian Journal of Technology Management

Print ISSN: 1978-6956 Vol. 8 No. 1 2015
Online ISSN: 2089-791X

Indexed by













THE ASIAN JOURNAL OF TECHNOLOGY MANAGEMENT

Editor in Chief Akbar Adhiutama, Ph.D

Vice Editor in Chief Yuliani Dwi Lestari, Ph.D **Associate Editors**

Manahan Siallagan, Ph.D Santi Novani, Ph.D Dedy Sushandoyo, Ph.D Prof. Sudrajati Ratnaningtyas Atik Aprianingsih, DBA Taufik Faturohman, Ph.D **Circulation and Distribution**

Supri Haryanto, S.Sos Ady Nugroho, SP

EDITORIAL BOARD

Prof. Che Sobry Abdullah

School of Business and Management University Utara Malaysia

Prof. Bill Watson

Departement of Antropology University of Kent

Prof. Richard W Moore

Departement of Management College of Business and Economics California State University

Prof. Basheer M. Khumawala

Bauer College of Business University of Houston

Prof. Rushaimi Zien Yusoff

School of Business and Management University Utara Malaysia (UUM)

Dr. Chuda Basnet

Waikato Management School The University of Waikato

Prof. Takeshi Arai

Department of Industrial Administration Tokyo University of Science, Japan Prof. Jann Hidajat Tjakraatmadja

School of Business and Management Insitut Teknologi Bandung

Prof. Ramaswami Sridharan

School of Management RMIT University

Dr. Hasan Akpolat

Faculty of Engineering and Information Technology University of Technology Sidney

Dr. Dermawan Wibisono

School of Business and Management Insitut Teknologi Bandung

Dr. Gatot Yudoko

School of Business and Management Insitut Teknologi Bandung

Prof. Sudarso Kaderi Wiryono

School of Business and Management Insitut Teknologi Bandung

Dr. Pri Hermawan

School of Business and Management Insitut Teknologi Bandung

Ahmad Syamil, Ph.D.

Department of Computer and Information Technology College of Business Arkansas State University

Prof. Togar M Simatupang

School of Business and Management Insitut Teknologi Bandung

Dr. Razli Che Razak

School of Business and Management University Utara Malaysia (UUM)

Prof. Kiyoshi Dowaki

Department of Industrial Administration Tokyo University of Science, Japan

Prof. Kyoichi Kijima

Department of Value and Decision Science Tokyo Institute of Technology, Japan

Prof. Hiroshi Deguchi

Department of Computational Intelligence and System Science Tokyo Institute of Technology, Japan

Prof. Kung-jeng Wang

School of Management, National Taiwan University of Science and Technology, Taiwan

Prof. Kazuhiro Fukuyo

Management of Technology, Yamaguchi University, Japan

Copyright: Authors publishing in the Journal will be asked to sign an Exclusive License From. In signing the from it is assume that authors have obtained permission to use any copyrighted or previously published material. All authors must read and agree to the conditions outlined in the form, and must sign the form or agree that the corresponding author can sign on their behalf. Article cannot be published until a signed form has been received. Authors can download the from the journal web-page.

Offprints: Á Free PDF offprint will be supplied to the coresponding author. An additional paper offprints will be provided. Sponsorship: The Asian Journal of Technology Management is sponsored by School of Business and Management Indonesia.

Published : Twice a year (June and December), by School of Business and Management, Institut Teknologi Bandung, Jl. Ganesha 10 Bandung 40132 Indonesia

Web-page : http://journal.sbm.itb.ac.id Email : journal@bm-itb.ac.id Phone : +62 22 253 1923 Fax : +62 22 250 4249

Copyright ©2015. School of Business and Management, Institut Teknologi Bandung. All rights reserved.

The Asian Journal of Technology Management Volume 8 Number 1 2015

Challenges in Implementing Engineering Technology Education in Malaysia Rosmah Ali, Habibah Norehan Haron, Kamilah Radin Salim,	a
Morina Abdullah and Zainai Mohamed	1-9
The Aggregate Planning For Trucking Operation in Cikarang Dry Port	
Dwi Puspita Sari Utami and Filda Rahmiati	10-21
Fuzzy Continuous Review Inventory Model using ABC Multi-Criteria	
Classification Approach: A Single Case Study	
Julita and Meriastuti Ginting	22-36
Knowledge Expansion in Engineering Education: Engineering Technology	
as an Alternative	
Noor Hamizah Hussain, Kamsiah Mohd Ismail, Norhayati Mohamed Nor,	
Normah Mulop and Zainai Mohamed	37-46
Management of Information and Infrastructure of Indigenous	
Community at Royal Belum State Park Using Geographical Information System: A Conceptual Design	
Othman, Z., Nor Dhalia, M., Norain Z. A.M. and Hafizudin A	47-55
The Optimization of Human Resource's Performance in Islamic	
Microfinance Institutions Through Job Analysis and Competency Model	EC 67
Verni Y. Ismail, Efendy Zain and Zulihar	56-67
Predicting Success Study using Students GPA Category	
Awan Setiawan and Kuntjahja S. L. Margono	68-74

Unit Research and Knowledge School of Business and Management Institut Teknologi Bandung Jl. Ganesha No. 10 Bandung 40132

Phone : +62 22 253 1923 Fax : +62 22 250 4249

Web-page: http://journal.sbm.itb.ac.id E-mail: journal@sbm-itb.ac.id



The Asian Journal of Technology Management

Print ISSN: 1978-6956; Online ISSN: 2089-791X

EDITORIAL POLICIES THE ASIAN JOURNAL OF TECHNOLOGY MANAGEMENT

Aims and Scope

The Asian Journal of Technology Management aims to promote interdisciplinary research regarding the special problems and opportunities related to technology management fields in Asia and its effects beyond.

As we are facing a fast changing Asia, where old customs and tradition meet technology adoption and the government, industry, corporations; the journal intends to take part in the swift change and is filling a niche in management publications. It views the intersection of Technology and Management in a fashionable and unique way in creating competitive advantage of corporations and nations in Asia.

Further, the journal is intended as an instrument for individuals conducting research on technology management at both micro and macro levels of analysis as well as its relationship with other managerial functions such operations, marketing, finance, and human resource. It publishes papers by worldwide scholars, practitioners, and those interested in Asian technology development under one of these classifications research paper, viewpoint, conceptual paper, case study, literature review.

The subject coverage of AJTM includes all aspects of technology management such as:

- National innovation system
- Creativity and innovation
- Product development
- Research and development
- Cross cultural and technological change
- Technology and competitiveness
- Technology policy and strategy
- Technology transfer
- Technology in economics
- Technology in finance
- Technology in marketing
- Technology in human resources
- Technology in operations and supply chain
- Technology in decision making and negotiation
- Technology and community development

Section Policies

Article

Peer Review Process



AJTM journal peer reviews all the material it receives. We examine the manuscript including its relevance to our topics, format and contain, which will be completed within two or three weeks of submission. For original articles which need improvement on its format and contain, our Editor-in-Chief will return the manuscripts along with their comments and provide about two weeks to make an improvement and resubmit the article.

Once we decide the manuscript pass the peer review, our Editor-in-Chief will inform that the manuscript will be further processed for double-blind review with an estimated time between 1-3 months. After the double-blind review process, the authors are promptly informed of the acceptance/revision/rejection of the manuscript. The reviewer's comments are also sent to the authors as the guidance for improvement, and author needs to resubmit again the revised manuscript based on the deadlines set (only for revision manuscript).

Once the author gets an acceptance for publication, we will edit the layout, figures, table, charts, and ask for approval from the corresponding author. We also send a form as a Microsoft Word document, which the authors can request for any changes required in the manuscript. After the final version of the manuscript is ready, we will process for publication.

Open Access Policy

This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.

Archiving

This journal utilizes the LOCKSS system to create a distributed archiving system among participating libraries and permits those libraries to create permanent archives of the journal for purposes of preservation and restoration.

Index

The Asian Journal of Technology Management (AJTM) has been registered in the CROSSREF system with Digital Object Identifier (DOI) and distributed by PROQUEST. The Journal has been indexed by DIRECTORY OF OPEN ACCES JOURNALS (DOAJ), GOOGLE SCHOLAR, INDEX COPERNICUS, INDONESIAN PUBLICATION INDEX (IPI) and INDONESIAN SCIENTIFIC JOURNAL DATABASE (ISJD)

Publication Frequency

The Journal is published bi-annually in June and December. Current section closing dates in view of Announcement.

Author Fees

The Asian Journal of Technology Management (AJTM) does not charge for Article Processing Charges (APCs) or submission charges.

Plagiarsm Checker

To ensure that the articles are free from plagiarism, The Asian Journal of Technology and Management (AJTM) using plagiarism software by Turnitin.com. More detail visit: http://turnitin.com/en_us/home

Publishing Code of Ethics

This publishing code of ethics is derived from COPE's Best Practice Guidelines for Journal Editors with aims to regulate the publishing activities and ethics in the Asian Journal of Technology management involving the authors, editors, and the publisher (School of Business & Management ITB).

Publishing ethics

The publication of an article in a peer-reviewed the Asian Journal of Technology management is an essential building block in the development of a coherent and respected network of knowledge. It is a direct reflection of the quality of the work of the authors and the institutions that support them. Peer-reviewed articles support and embody the scientific method. It is therefore important to agree upon standards of expected ethical behavior for all parties involved in the act of publishing: the authors, the journal editors, the peer reviewers, the publisher and the society or sponsored journals.

School of Business and Management, Institut of Teknologi Bandung (SBM ITB) as the publisher of the articles is committed to uphold the ethics throughout the publication processes. We commit to ensuring that advertising, reprint or other commercial revenue has no impact or influence on editorial decisions. In addition, SBM ITB and editorial board of AJTM will assist in communications with other journals and/or publishers where this is useful and necessary.

Duties of editors

• Publication decision

The editor in chief of AJTM is responsible for deciding articles that will be published. The decision is based on the articles compliance with AJTM standard, and recommendation from the journal's editorial board members and reviewers. The journal abides by legal requirements as shall then be in force regarding libel, copyright infringement and plagiarism. The editor confers with the editorial team and reviewers in making this decision.

Fairness

AJTM upholds for fairness. The editors and reviewers evaluate articles for intellectual content without regard to race, gender, sexual orientation, religious belief, ethnic origin, or political philosophy of the authors.

• Confidentiality

AJTM ensure the confidentiality of all data and information related to publications. The editor, reviewers, and editorial staff must not disclose any information about a submitted article to other parties who have no relations to our publication processes.

• Disclosure and conflicts of interest

Unpublished materials disclosed in a submitted article must not be used by any of the editorial board members and reviewers in their own research.

Duties of Reviewers

• Contribution to Editorial Decisions

AJTM uses double-blind review process. The reviewers review articles content and advise the editor-in-chief in making the editorial decision. Further, editor-in-chief communicates with authors, and sends the comments from reviewer to improve the quality of their manuscripts.

• Promptness

AJTM journal editor commit to provide sufficient time in reviewing the author's article, thus we involve reviewers from various countries. When a reviewer does not submit the review report in a timely manner, the article will be immediately sent to another qualified reviewer.

Confidentiality

We enforce enclosed process where only editor-in-chief and reviewers can discuss articles submitted thus we ensure its confidentiality.

• Standards of Objectivity

AJTM upholds objectivity to all articles submitted. Our editors and reviewers evaluate articles based on its content, provide recommendation for improvement, and the review comments must be respectful.

• Acknowledgement of Sources

Reviewers should identify relevant published work that has not been cited by the authors. Any statement that an observation, derivation, or argument had been previously reported should be accompanied by the relevant citation. A reviewer should also call to the editor's attention any substantial similarity or overlap between the manuscript under consideration and any other published paper of which they have personal knowledge.

• Disclosure and Conflict of Interest

Privileged information or ideas obtained through peer review must be kept confidential and not used for personal advantage. Reviewers should not consider manuscripts in which they have conflicts of interest resulting from competitive, collaborative, or other relationships or connections with any of the authors, companies, or institutions connected to the papers.

Duties of Authors

• Reporting standards

Authors should present their work clearly. An article should contain sufficient detail, clear tables and figures, and references. Fraudulent or knowingly inaccurate statements constitute unethical behavior and are unacceptable.

• Data Access and Retention

Authors may be asked to provide the raw data in connection with a paper for editorial review. They should be prepared to provide such data within reasonable time.

• Originality and Plagiarism

The authors should ensure that the article submitted to AJTM must be an original work. Authors are not allowed to submit the same article to other journals while the article is being under review by AJTM. Further, articles must be free of any plagiarism falsification, fabrications, or omission of significant material. Articles found with such problems will be automatically rejected.

• Multiple, Redundant or Concurrent Publication

Multiple, redundancy or self-plagiarism is unacceptable. Further, when submitting an article, authors should make a written statement mentioning that the article has not been published and is not currently under publication to any other journal.

• Acknowledgement of Sources

Proper acknowledgment of the work of others is required. Authors must cite publications that have led to the authors' current research.

• Authorship of the Paper

Authorship should be shared properly and only for those who have actually made contributions. The corresponding author who submits the article should list all co-authors. If accepted, all authors are required to give a signed statement that the research work is their original research work.

• Hazards and Human or Animal Subjects

If the work involves chemicals, procedures or equipment that have any unusual hazards inherent in their use, the author must clearly identify these in the manuscript.

• Disclosure and Conflicts of Interest

All authors should disclose any financial support in their article, and should avoid conflicts of interest that might be construed to influence the results or interpretation of their manuscript.

• Fundamental errors in published works

When an author discovers a significant error or inaccuracy in his/her own published work, it is the author's obligation to promptly notify the journal editor or publisher and cooperate with the editor to retract or correct the article.