

CommIT

Communication and Information Technology
JOURNAL

Editor in Chief

Feryanto E. Gunawan - Bina Nusantara University, Indonesia

Executive Editors

Noerlina - Bina Nusantara University, Indonesia

Associate Editors

Benny Tjahjono - Coventry University, United Kingdom
Mahardhika Pratama - University of South Australia
Horacio Pérez Sánchez - Universidad Católica de Murcia (UCAM), Spain
Ngoc Thanh Nguyen - Wrocław University of Technology, Poland
Yogesnan Kanagasingam - University of Western Australia, Australia

Guest Editors

Bernardi Pranggono - Sheffield Hallam University, United Kingdom
Hiroomi Homma - Toyohashi University of Technology, Japan
Irwanda Laory - University of Warwick, U.K
Matthieu Laurus - IMT Mines Arbi-Carmaux, France
Nico Surantha - Tokyo City University, Japan
Thomas Köhler - Technische Universität Dresden, Germany
Worapan Kusakunniran - Mahidol University, Thailand
Yasuhiro Kanto - Ibaraki University, Japan
Emir Mauludi Husni - Bandung Institute of Technology (ITB), Indonesia
Hasballah Zakaria - Bandung Institute of Technology (ITB), Indonesia
Mauridhi Hery Purnomo - Institute Teknologi Sepuluh Nopember, Indonesia
Satryo Soemantri Brodjonegoro - Bandung Institute of Technology (ITB), Indonesia
Antoni Wibowo - Bina Nusantara University, Indonesia
Benfano Soewito - Bina Nusantara University, Indonesia
Sani M. Isa - Bina Nusantara University, Indonesia
Spits Warnars Harco Leslie Hendric - Bina Nusantara University, Indonesia
Suharjito - Bina Nusantara University, Indonesia

Language and Layout Editors

Eka Yanti Pangputri - Bina Nusantara University, Indonesia
Shavira Sarashita - Bina Nusantara University, Indonesia
Dina Nurfitri - Bina Nusantara University, Indonesia
Holil - Bina Nusantara University, Indonesia
Atmawati - Bina Nusantara University, Indonesia

Secretariat

Dewi Novianti - Bina Nusantara University, Indonesia

Aims and Scope

CommIT is a semiannual journal, published in May and October. Journal of Communication and Information Technology focuses on various issues spanning in Computer Engineering, Computer Science, and Information System. CommIT has been accredited by the Ministry of Research, Technology and Higher Education under the decree number 105/E/KPT/2022 and has been indexed and abstracted by Scopus, ASEAN Citation Index, Directory of Open Access Journals (DOAJ), Science and Technology Index 1 (SINTA 1), Indonesia OneSearch, Academic Research Index (Research BIB), Garda Rujukan Digital (Garuda), Bielefeld Academic Search Engine (BASE), World Catalogue (WorldCat), Google Scholar, and Indonesian Research Repository (Neliti).

Publications

CommIT Journal (ISSN 1979-2484) is published biannual by the Research and Technology Transfer Office (RTTO) Bina Nusantara University at Kampus Anggrek, Jl. Kebon Jeruk Raya No. 27, Kemanggis/Palmerah, Jakarta Barat 11530, telp. (021) 5327630, ext. 1708, E-mail: commit@binus.edu

Home page: <https://journal.binus.ac.id/index.php/commit>



Contents

Liliana; Felix Handani; Bambang Prijambodo; Maria Christabella Wariky Development of a Target-Based Configurable Business-to-Business Model for Electronic Wholesale Information System in East Java	1–12
Abi Nizar Sutranggono; Elly Matul Imah Tweets Emotions Analysis of Community Activities Restriction as COVID-19 Policy in Indonesia Using Support Vector Machine	13–25
Rina Rahmawati; Yova Ruldeviyani; Puja Putri Abdullah; Fathurahman Ma’ruf Hudoarma Strategies to Improve Data Quality Management Using Total Data Quality Management (TDQM) and Data Management Body of Knowledge (DMBOK): A Case Study of M-Passport Application	27–42
Sugiarto Wibowo; Indar Sugiarto Hand Symbol Classification for Human-Computer Interaction Using the Fifth Version of YOLO Object Detection	43–50
Muhasshanah; Mohammad Tohir; Dewi Andariya Ningsih; Neny Yuli Susanti; Astik Umiyah; Lia Fitria Comparison of the Performance Results of C4.5 and Random Forest Algorithm in Data Mining to Predict Childbirth Process	51–59
Jason Timotius Purwoko; Taurean Orlin Wingardi; Benfano Soewito Smart Agriculture Water System Using Crop Water Stress Index and Weather Prediction	61–70
Suryadiputra Liawatimena; Edi Abdurachman; Agung Trisetarso; Antoni Wibowo; Muhamad Keenan Ario; Ivan Sebastian Edbert Fish Classification System Using YOLOv3-ResNet18 Model for Mobile Phones	71–79
Pov Vandeth; Jimmy Tirtawangsa; Hertog Nugroho Nighttime Motorcycle Detection for Sparse Traffic Images Using Machine Learning	81–92
Geneveva; Jhanghiz Syahrivar; Eka Srirahayu Ariestiningsih Technology Readiness During the COVID-19 Pandemic: Lessons Learned from Indonesia	93–102
David; Edi Abdurachman; Agustinus Bandur; Wibowo Kosasih Improving Competitive Advantages of Higher Education Institutions through IT Governance, IT Excellence, and IT Innovation: A Case Study in School of Informatics Management & Computing in Indonesia	103–119