

Journal of Electronics, Electromedical Engineering, and Medical Informatics

Volume 6, Issue 1, January 2024

List of Content

In this issue, all articles include authors from 4 universities in Indonesia (Department of Electrical Engineering, Faculty of Engineering, Universitas Sam Ratulangi, **Manado**, Indonesia; Department of Pharmacology and Therapy, Faculty of Medicine, Universitas Sam Ratulangi, Manado, Indonesia; School of Computing, Telkom University, **Bandung**, Indonesia; Computer Science Department, Lambung Mangkurat University, **Banjarbaru**, South Kalimantan, Indonesia; Electrical Engineering Department, Universitas Islam Indonesia, **Yogyakarta**, Indonesia) and 3 universities from overseas (Department of Computer Science and Electrical Engineering, Graduate School of Science and Technology, Kumamoto University, Kumamoto, **Japan**; Division of Biomedical Engineering, Faculty of Advanced Science and Technology, Kumamoto University, Kumamoto, Japan; Department of Engineering, University of Cambridge, Cambridge, **United Kingdom**; Master of Engineering in Electrical and Computer Engineering, Gina Cody school of Engineering and Computer Science, Concordia University, Montreal, **Canada**).

| | |
|--|-------|
| Regression Algorithms in Predicting the SARS-CoV-2 Replicase Polyprotein 1ab Inhibitor: A Comparative Study <i>Daniel Febrian Sengkey, Angelina Stevany Regina Masengi</i> | 1-10 |
| Development and Evaluation of Biochips Specialized for Cell Counting <i>Masato Sawatari, Shunko A. Inada</i> | 23-31 |
| Foot Clearance Prediction using Wrist Acceleration and Gait Speed <i>Kodai Kitagawa, Chikamune Wada, Nobuyuki Toya</i> | 32-3 |
| Enhancing Pneumonia Disease Classification using Genetic Algorithm-Tuned DCGANs and VGG-16 Integration <i>Kania Ardhani Putri, Wikky Fawwaz Al Maki</i> | 11-22 |
| Analysis of Multimodal Biosignals during Surprise Conditions Correlates with Psychological Traits <i>Hendra Setiawan, Isnatin Miladiyah, Satyo Nuryadi, Alvin Sahroni</i> | 40-53 |
| Advancements within Molecular Engineering for Regenerative Medicine and Biomedical Applications an Investigation Analysis towards A Computing Retrospective <i>Zarif Bin Akhtar, Anik Das Gupta</i> | 54-72 |
| A Comparative Study of Machine Learning Methods for Baby Cry Detection Using MFCC Features <i>Putri Agustina Riadi, Mohammad Reza Faisal, Dwi Kartini, Radityo Adi Nugroho, Dodon Turianto Nugrahadi, Dike Bayu Magfira</i> | 73-83 |