

Research Interest

- Artificial Intelligence
- Machine Learning
- Internet of Things
- Big Data
- Optimization
- Evolutionary Algorithms

Education

- 2018–2020 **Master of Science (Electronics Engineering)**, GPA 3.88/4.30, Kyungpook National University, South Korea.
- 2010–2014 **Bachelor of Engineering (Informatics Engineering)**, GPA 3.49/4.00, University Harapan Medan, Indonesia.

Journal Publications

Uyeh, D. D., Ramlan, F. W., Mallipeddi, R., *"Evolutionary Greenhouse Layout Optimization for Rapid and Safe Robot Navigation."*, IEEE Access, 7, 88472-88480, DOI: 10.1109/ACCESS.2019.2926566.

Conferences Publications

Ramlan F.W., Palakonda V., Mallipedi R., *"Differential Evolutionary (DE) Based Interactive Recoloring Based on YUV Based Edge Detection for Interior Design."*, International Conference on Information and Communication Technology Convergence (ICTC 2019), Jeju, South Korea.

Ramlan F.W., Palakonda V., Mallipedi R., *"Hierarchical Approach Based Evolutionary Algorithm For Many-Objective Optimization."*, International Conference on Artificial Intelligence and Soft Computing (ICAISC 2019), Seoul, South Korea.

Ghorbanpour S., Palakonda V., Ramlan F. W., Mallipeddi R., *"An Experimental Short Review On Color Image Quantization."*, International Conference on Artificial Intelligence and Soft Computing (ICAISC 2019), Seoul, South Korea.

Symposium / Seminar / workshop

- 2018 "Multi-agent Systems to Maximize Thermal Comfort and Minimize Energy Consumption" Presented in Joint Workshop on CESLeA Project, Kyungpook National University

Technical Skills

Languages	C, C++, Python, Java, Javascript, HTML, PHP, CSS	Machine Learning	Tensorflow, Keras, Pandas, Sci-kit
Data science	R Hadoop	Database	MSSQL, MySQL, NoSQL, MSAccess
Numerical computing	Matlab	Simulation	Matlab Simulink
Platforms	Linux(Ubuntu), Windows	Report generation	LaTex, Microsoft word
version control	Git	Framework	Django

Research experience

- 2018–Present **Graduate Research Assistant**, Kyungpook National University, Cooperative Research Program for Agriculture Science and Technology Development.
- 2018–2020 **Graduate Research Assistant**, *Kyungpook National University*, Institute of Information and Communications Technology Planning and Evaluation (IITP) grant funded by the Korea government (MSIT) (2016-0-00564) , South Korea.
- 2016–2017 **Research Assistant**, *Intelligent Robot Laboratory, Kyungpook National University*, South Korea.

Teaching experience

- Fall 2018 **Graduate Teaching Assistant**, Lecture on Computational Intelligent Systems, School of Electronics Engineering. Kyungpook National University, South Korea.
- Fall 2018 **Graduate Teaching Assistant**, Lecture on How to Write Research Papers, School of Electronics Engineering. Kyungpook National University, South Korea.
- 2017-Present **Lecturer (On Study Leave)**, Department of Computer Science, Panca Budi University, Indonesia.
- 2016-2017 **Teaching Instructor**, Course on Informatics and Programming, Mega University, South Korea.

Work experience

- 2014-2015 **Programmer**, Startup Indonesia, Medan, Indonesia.
- 2012-2014 **Web Developer**, MAT Architect, Medan, Indonesia.
- 2009-2012 **Web Developer**, Indonesia Parental Institute, Medan, Indonesia.
- 2008 **Intern Web Programmer**, PT Web Media, Medan, Indonesia.

Scholarship and Awards

- 2018-2020 **KNU International Scholarships (KINGS)**, *Kyungpook National University*, Tuition waived (USD 12,000) for a period of 2 years.
- 2018-2020 **National Research Foundation (NRF)**, *Kyungpook National University*, Monthly Stipend (USD 8,487) per annum.
- 2018-2020 **Brain Korea (BK21)**, *Kyungpook National University*, Monthly Stipend (USD 12,000) per annum.

Languages

English Fluent

Reference

Available Upon Request.