

Research Interest

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

Education

- 2018–2020 **Master of Science (Electronics Engineering)**, GPA 3.88/4.00, 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 Help Provide Data Comfort Into Users by Another Same Time Minimize The Energy Convergence" 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 **Brain Korea(BK21)**, *Kyungpook National University* , Monthly Stipend (USD 12,000) per annum.

Languages

English Fluent

Reference

Available Upon Request.