



Giri Wahyu Wiriastoro, S.T., M.T

Pattern Recognition, Data Mining, Image Prcessing

Bachelor's degree (Electrical Engineering)	Institut Teknologi Nasional, Malang	2006
Master's degree (Electrical Engineering - Smart network multimedia)	Institut Teknologi Sepuluh Nopember, Surabaya	2010
Employment	Lecturer Undergraduate's program in Electrical Engineering, Engineering Faculty	University of Mataram, Indonesia Dec, 2010
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Model intelligent agents in financial information system (AIS) software development (Internal Funds - 2022) 2. Exploration of Multi-Hop Linear LoRa 915 Mhz To Increase Transmission Range with Lower Energy Consumption On Low Power Wide Area Networks (Internal Funds - 2021) 3. Classification of DDoS Attack Patterns using Deep Learning Convolutional Neural Network (DL-CNN) (Internal Funds - 2021) 4. Port Scanning Attack Probability Analysis on Data Network Traffic (internal funds - 2020) 5. Development of Multi-hop Routing Protocol on Low-Power Wide Area Networks to Support Strong Wireless Network Infrastructure on the Internet of Things (Dikti funds - 2019) 	
Industry collaborations / Community Services over the last 5 years	<ol style="list-style-type: none"> 1. Workshop on the use of information systems as a tool for evaluating online and offline learning processes (2022) 2. Internet of Things (iot) training for students of SMK I Praya Tengah, Praya District, Central Lombok (2021) 3. Internet of Things (iot) training for students of SMK I Praya Tengah, Praya District, Central Lombok (2020) 4. Electronic livestock weighing equipment for livestock communities in Ampenan District (2018) 5. Workshop on the use of digital educational games for pre-school teachers in Kotamatararam (2018) 	
Patents and proprietary rights	<ol style="list-style-type: none"> 1. Computer Program : Smart Application for SMS Filter (EC00202220544) 2022 2. Information System For Issuing Certificate Documents Embedded With QR-Code As Authentication Key Using Node.js And No-SQL (EC002011005) 2020 	
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. EAM-LoRaNet: Energy Aware Multi-hop LoRa Network for Internet of Things, Kinetik: Game Technology, Information System, Computer Network, Computing, Electronics, and 	

Control, (2022)

2. Rancang Bangun Simulator Pengendalian Lift 6 Lantai Berbasis Plc, <https://doi.org/10.29303/jtika.v4i1.174> (2022)
3. Design and Development of Attendance System Application Using Android-Based Flutter,"2020 Third International Conference on Vocational Education and Electrical Engineering (ICVEE), 2020, pp. 1-6, doi: 10.1109/ICVEE50212.2020.9243190. (2020)
4. Received Signal Strength of WIFI Devices for Indoor Positioning Using Neural Network LVQ Method, Proceeding International Conference on Science (ICST) 1 (1), 26-31 (2020)
5. Multi-hop Uplink for Low Power Wide Area Networks Using LoRa Technology, 2019 6th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE), 2019, pp. 1-5, doi: 10.1109/ICITACEE.2019.8904272. (2019)

Activities in specialist
bodies over the last 5
years