



## Djul Fikri B., S.T., M.T.

Telecommunication

Bachelor's degree (Electrical Engineering)	Brawijaya University of Indonesia, Malang, East Java	1995
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Master's degree (Informatics Telecommunication Engineering)	Brawijaya University of Indonesia, Malang, East Java	2016
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Employment	Lecturer Undergraduate's program in Electrical Engineering, Engineering Faculty	University of Mataram, Indonesia	March, 2000
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Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li>1. Development Of Lora 915 Mhz Wireless Communications To Support Gsm Network Infrastructure In Blank Spot Area, 2022</li> <li>2. LoRa 915 Mhz Linear Multi-Hop Exploration To Increase Transmission Range With Lower Energy Consumption On Low Power Wide Area Networks, 2021</li> <li>3. Real Propagation Analysis Lora 915 Mhz Communication Device To Support Internet Of Things Infrastructure, 2020</li> <li>4. Scanning attack probability analysis on data network traffic, 2020</li> <li>5. Design and Development of Attendance System Application Using Android-Based Flutter, 2020</li> <li>6. Mango Characterization Based on Dielectric Value and Conductivity Using Split Ring Resonator Technique, 2019</li> <li>7. Early Warning for Drop Out Students in Electrical Engineering Using Data Mining , 2018</li> </ol>
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Industry collaborations / Community Services over the last 5 years	<ol style="list-style-type: none"> <li>1. Internet of Things (IoT) Workshop For Students in SMKN 1 Praya Tengah, Kecamatan Praya Tengah Lombok Tengah, Funded By University of Mataram, 2021</li> <li>2. Program Pengabdian Pada Masyarakat Pengembangan Dan Hilirisasi Produk, "Sistem Penilaian Mandiri Akreditasi Program Studi Standar 9-Kriteria (APS.4.0) dengan Metode Partisipatif", PNBPN Unram 2020.</li> <li>3. Pelatihan Internet Market Place Bagi Pengrajin Anyaman Ketak Di Desa Beleka Kecamatan Praya Timur Lombok Tengah, PNBPN Unram 2020</li> <li>4. Pelatihan Internet Market Place Bagi Pengrajin Tenun Songket Desa Sukarara Kecamatan Jonggat Lombok Tengah, PNBPN Unram 2019</li> <li>5. Workshop Pemanfaatan Permainan Edukasi Digital Bagi Guru Pra-Sekolah di Kota Mataram, PNBPN Unram 2018</li> <li>6. Alat Penimbang Hewan Ternak Elektronis Bagi Komunitas Ternak Di Kecamatan Ampenan, BOPTN Unram 2018.</li> </ol>
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Patents and

proprietary rights

Important publications  
over the last 5 years

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1. EAM-LoRaNet: Energy Aware Multi-hop LoRa Network for Internet of Things, Kinetik: Game Technology, Information System, Computer Network, Computing, Electronics, and Control, Vol. 7, No. 1, February 2022
  2. Compromise of 915 MHz LoRa Transmission Parameters in A Single-hop Uplink, 2021 International Conference on Computer System, Information Technology, and Electrical Engineering (COSITE), Banda Aceh, October 20-21, 2021.

Activities in specialist  
bodies over the last 5  
years