Abdul Natsir, S.T., M.T

Power System Engineering

Bachelor's degree (Electrical Engineering)	National Institute of Technology, Malang	1997
Master's degree (Electrical Engineering)	Sepuluh November Institute of Techmology, Surabaya	2000

Employment	Lecturer Undergraduate's program in Electrical Engineering, Engineering Faculty	University of Mataram, Indonesia	May, 2000

Research and development projects over the last 5 years

1. Clustering of Earthquake Events on Lombok Island Backarc Thrust Zone for Disaster Mitigation. (Internal Funds - 2022)
2. Design of Universal Charge Controller for Integrating Distributed Renewable Energy Generations (Internal Funds – 2021)
3. Analysis Real Propagation Lora 915 Mhz Communication Device to Support Internet of Things Infrastructure (Internal Funds – 2020)
4. Performance Improvement of Grid Tie Inverter on Microgrid of Solar Photovoltaic (Internal funds – 2019)

Industry collaborations / Community Services over the last 5 years

1. Demonstration of Superposition Method in Electrical Circuit Analysis for Students SMAN 5 Mataram (2022)
2. Introduction Installation of Lightning on Buildings in SMAN 8 Mataram (2020)
3. Counseling on Occupational Health and Safety (K3) for Students at SMPN 7 (2019)
4. Application of MPPT on small-scale PV system at SMKN 1 Pringgabaya (2018)

Patents and proprietary rights

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Important publications over the last 5 years

1. Study of Technical and Economical on Waste Power Plant Using LandGEM Software at Kebon Kongok Landfill, West of Lombok, Dielektrika, [P-ISSN 2086-9487] [E-ISSN 2579-650x], (2022)
2. Performance of micro grid system with an automatic transfer switch for photovoltaic and small wind turbines: a case study at the laboratory of renewable energy, the University of Mataram, 2020 Fifth International Conference on Science and Technology (ICST), 2021.
3. Compromise of 915 MHz LoRa Transmission Parameters in A Single-hop Uplink, 2021 International Conference on Computer System, Information Technology, and Electrical Engineering (COSITE) | 978-1-6654-2509-4/21/$31.00 ©2021 IEEE | DOI:

10.1109/COSITE52651.2021.9649499
4. The performance of photovoltaic through application of solar collector and wind speed variations, https://doi.org/10.29303/dtm.v10i1.302 (2020)
5. Performance Improvement of Grid Tie Inverter on Microgrid of Solar Photovoltaic, 2019 Fourth International Conference on Science and Technology (ICST), (2019).

Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	National Professional Sertification Agency (BNSP)	Competency Assessor	2022-2025