


Curriculum Vitae

A. Personal Information

1	Name	Dr. Lesnanto Multa Putranto	
2	Gender	Male	
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4	Office	Electrical and Information Engineering Department of Universitas Gadjah Mada, Indonesia	
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B. Educational Background

	Bachelor	Master	Doctoral
University	Universitas Gadjah Mada	Chulalongkorn University	Hokkaido University
Research Area	Power System	Power System	Power System
Graduation	2007	2012	2017
Final Project/ Thesis/ Dissertation	Evaluation of Electrical Aspect in Coal Mining Company	Application of Wide Area Monitoring System for Securing Voltage Stability	Design of Wide Area Monitoring System for Securing Voltage Stability

C. Major Research Grants

No.	Year	Research Topic	Funding
1	2017-2018	Renewable Energy Integration Study in Indonesian Utility	Indonesian Utility Company
2	2017	Design of Electrical System's Masterplan in Sulawesi	Indonesian Utility Company
3	2018	Online Energy Monitoring System for UGM's Buildings	CDSR SHERA
4	2018	Information System Development of Power System Utility	Indonesian Utility Company
5	2019	Prototype of Microgrid System for Supply to Isolated Island	Rolls Royce
6	2019	Design of Electrical System's Masterplan in Maluku Papua	Indonesian Utility Company
7	2019 -2021	Develop AI Application	ASTRA Indonesia
8	2020	Anomaly detection of generating unit	Indonesian Utility Company
9	2020	Smart Telemedicine Robot for Covid-19	Education Ministry
10	2020	Review of Tariff Adjustment Reformulation and Special Service Tariffs (Class L)	Indonesian Utility Company
11	2020	Evaluation of Tariff Adjustment Components	Indonesian Utility Company
12	2020	Simplification of Electricity Tariffs	Indonesian Utility Company
13	2020	PT Angkasa Pura II (Persero) Renewable Energy Development Roadmap	Indonesian Airport Management Service Company

No.	Year	Research Topic	Funding
14	2021	Study of Rooftop PV Hosting Capacity in 20 kV Systems in Facing Distributed Generation Penetration	Indonesian Utility Company

D. Major Publications

No.	Title	Journal/Proceeding	Year
1	Risk-based voltage stability monitoring and preventive control using wide area monitoring system	PowerTech, 2015 IEEE Eindhoven	2015
2	Series PMU data-based state estimation technique for WAMS application	Power and Energy Society General Meeting (PESGM) Boston USA	2016
3	WAMS hybrid configuration for real time voltage stability monitoring application	16 th Electric Power Engineering (EPE) Prague, Czech Republic	2016
4	Hybridization of SCADA System and PMU data for Improving Real Time Monitoring Capability	The 2016 Annual Meeting of The Institute of Electrical Engineers of Japan	2016
5	Multistage Preventive Scheme for Improving Voltage Stability and Security in an Integrated Renewable Energy System	IEEJ Transaction on Power and Energy	2017
6	Optimal WAMS Hybrid Configuration for Voltage Stability Monitoring Application considering the Existence of Conventional Measurement	IEEJ Transaction on Power and Energy (TEEB)	2018
7	Optimizing the preventive and corrective control scheme in integrated variable renewable energy generation	International Journal on Advanced Science, Engineering and Information Technology	2018
8	Design of SCADA based solar power plant for clean water irrigation system in remote areas	International Journal of Engineering & Technology	2018
9	Study on Photovoltaic Hosting in Yogyakarta Electric Distribution Network	5th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)	2018
10	Determination of PV Hosting Capacity in Rural Distribution Network: A Study Case for Bantul Area	International Journal of Renewable Energy Research- IJRER	2019
11	The Masterplan for Developing Electricity Systems for Archipelagic Area by Considering Local Energy Resources: A Case Study of Maluku Islands	International Conference on Smart Energy Grid Engineering, SEGE 2019	2019
12	Unit Commitment with Primary Frequency Regulation Consideration in the Southern Sulawesi Power System	International Conference on Information Technology and Electrical Engineering (ICITEE)	2020
13	Design of Battery Energy Storage System Control Scheme for Frequency Regulation for PV Integrated Power System	FORTEI-International Conference on Electrical Engineering (FORTEI-ICEE)	2020
14	Environmental Considerations in Long-Term Generation Expansion Planning with Emission	FORTEI-International Conference on Electrical Engineering (FORTEI-	2020

No.	Title	Journal/Proceeding	Year
	Limitations: An Analysis of the Sulawesi Power System in Indonesia	ICEE)	
15	Maximum Penetration Determination of Variable Renewable Energy Generation: A Case in Java–Bali Power Systems	Renewable Energy Elsevier	2020
16	Generation Expansion Planning Based on Local Renewable Energy Resources: A Case Study of the Isolated Ambon-Seram Power System	Sustainability	2022
17	Grid parity analysis: The present state of PV rooftop in Indonesia	Renewable Energy Focus	2022

E. Award

No.	Name	Institution	Year
1	2 nd Best Paper Award ICTPEP 2021	International Conference on Technology and Policy in Energy and Electric Power (ICT-PEP)	2021
2	2 nd Best Paper Award ICTPEP 2019	International Conference on Technology and Policy in Energy and Electric Power (ICT-PEP)	2019
3	Rolls Royce ILE Winner	Rolls Royce	2018
4	Best Paper Award Hokkaido Chapters 2015	The Hokkaido Chapters of The Institutes of Electrical Engineering	2015
5	Best Paper Award CITEE 2013	Conference of Information Technology and Electrical Engineering	2013
6	Best Paper Award ICEECE 2011	International Conference on Electrical, Electronics and Civil Engineering	2011