



ROSMALIATI

Coordinator of Institutional Development The Center for Excellence in Science and Technology "Geomagnetic" University of Mataram

PROFILE

Name

Rosmaliati, ST., MT.

NIP

19680717 199803 2 002

NIDN

0017076807

CONTACT



+62-(0) 370-636126 (Telp)

+62-(0) 370-636523 (Fax)



rosmaliati.muchtar@gmail.com

rosmaliati@te.ftunram.ac.id



Departement of Electrical Engineering, University of Mataram

Jl. Majapahit 62, Mataram

83125 Lombok, West Nusa Tenggara

EDUCATION

2000

MASTER PROGRAM

Electrical Engineering at University of Hasanuddin, Makassar Indonesia

1994

BACHELOR PROGRAM

Electrical Engineering at University of Hasanuddin, Makassar Indonesia

EXPERIENCE

Research Experience

2019

Online Monitoring of Temperature and Electric Parameters for Estimating Remaining Life of Distribution transformer

2015

Analysis of temperature and vibration for monitoring and diagnosis of the health conditions of the distribution transformers by using computational intelligent (2015-2017)

2014

Prototype Design of Online Monitoring and Early Detection of Power Transformer Based on Computational Intelligence (2014-2017)

2013

Load Pattern Management Supplied by Hybrid System of Photovoltaic-Biogas

2006

Development of Genetic Algorithms for Optimizing the Selection of Conductor Profiles in Distribution System Planning

2000

Distribution System Planning Using Expert System and Optimal Design Through Conductor Gradation

1994

Calculation of Electrical System Reliability of Water Company (PDAM Ujung Pandang)

ComDev Experience

2018

-Earth Magnetic Fields Evolution over Nusa Tenggara Region from Declination and Inclination Changes on Lombok Geomagnetic Observatory, 2nd International Conference on Applied Electromagnetic Technology (AEMT)

-Characterization of DC Arc Fault Currents in Low Voltage Residential Electricity, 2nd International Conference on Applied Electromagnetic Technology (AEMT)

-Distribution Transformer Oil Age Prediction Using Neuro Wavelet, 10th International Conference on Information Technology and Electrical Engineering (ICITEE)

-Semi-Supervised Learning Optimization Based on Generative Models to Identify Type of Electric Load at Low Voltage, International Seminar on Intelligent Technology and Its Applications (ISITIA)

-Design and Implementation of a Piezoelectric Accelerometer Using Arduino Mega for Detection of Vibration on the 20 kV Transformer Tank, International Seminar on Intelligent Technology and Its Applications (ISITIA)

-Nguyen-Widrow Neural Network for Distribution Transformer Lifetime Prediction, International Conference on Computer Engineering, Network and Intelligent Multimedia (CENIM)

2017

Performance analysis of multiple input boost converter with inherent OR diode configuration, International Seminar on Intelligent Technology and Its Applications (ISITIA)

2005

-Forecasting the demand of Electrical Energy in Lombok Island (2004-20013), SEMCI, Unram, Mataram

-Analysis of Lombok Electricity System Reliability by using Probability method, Seminar Nasional Teknik Ketenagalistrikan 2005 Teknik Elektro Fak.Teknik UNDIP, Semarang

2000

-Optimization of Power system Distribution planning by using expert system and conductor gradation. STTE, ITB. Bandung

-An Approach to Optimal Conductor Gradation Using Genetic Algoritma, IES, ITS, Surabaya

Courses/Training

2019

Course on Energy Planning (DTU-Danish Energy Agency, Denmark), 16 June-13 July 2019

2017

International Publication (Quality) Enhancement Program, Calpoly California USA, 25 October 2017-25 January 2018

2014

LEAP for Regional GHG Mitigation at Sub-national Scale, USAID LEAD Program, Medan Indonesia (25-28 March 2014)

Training Program for Magnetic Observatory Practice, GeoForschungsZentrum Potsdam (GFZ) German (27 October-9 November 2014)

2010

Course on Energy management/Energy planning 2010, Tu/e Netherlands

2009

International Workshop on Sustainability experiments in Asia. How to foster their transformative potential, Kolkata India

• ORGANIZATION EXPERIENCE

2010

Member of KONSUIL (National Committee for the Safety of Electrical Installations) West Nusa Tenggara Province

2009

Member of Regional Energy Team of West Nusa Tenggara Province, until now Leader of CASINDO (Capacity development and Strengthening for energy policy formulation and Implementation of Sustainable energy in Indonesia) project of West Nusa Tenggara Province, Indonesia-Dutch Government Cooperation. (2009-2012)

2006

Leader of CAREPI (Poverty Alleviation through Regional Energy Planning) Project of West Nusa Tenggara Province, Indonesia-Dutch Government Cooperation (2006-2009)

Member of Association of Indonesian Construction Experts (ATAKI) of West Nusa Tenggara, Electrical Division (2006-2013)

2005

Member of Regional Energy Forum of West Nusa Tenggara Province, until now