



Ni Made Seniari, ST., MT.

Power System Engineering

Bachelor's degree (Electrical Engineering) Udayana University 1996

Master's degree (Electrical Engineering - Smart network multimedia) Bandung Institute of Technology (ITB) 2003

Employment

Lecturer Undergraduate's program in Electrical Engineering, Engineering Faculty University of Mataram, Indonesia February, 1997

Research and development projects over the last 5 years

1. Design of a kWh Meter Measuring Tool Based on Spot Price Fluctuations per kWh (2017)
2. Analysis of Electric Field (E) and Step Voltage (V) at Ground Surface on Rod Electrodes and Cover Plate Electrodes (2018)
3. Improved Grid Tie Inverter Performance on Small Electric Grids from Solar Power Plants (2019)
4. Lombok Region Wave Data Analysis Using Magnetic Polarization Method (2020)

Industry collaborations / Community Services over the last 5 years

1. Socialization of the Core Competency Unit and Solar Energy (Photovoltaic) Expertise Competencies for Students of the Renewable Energy Engineering Department at the State Vocational High School (SMKN) 3 Mataram (2017)
2. Training and Testing of Technical Aspects of PLTS 1 kWp for State Vocational High School (SMKN) Students in Lombok (SMKN 3 and SMKN 2 Praya Tengah (2017)
3. Application of Maximum Power Point Tracker On Power Generation Renewable Energy Solar Power Plant (PLTS) or Small-Scale Wind Power Plant (PLTB) at Pringgabaya State Vocational High School (SMKN) 1 Lombok Timur.
4. Training on Installation of Safe Household Electrical Installation for Pagutan Barat Village, Mataram City
5. Counseling on Occupational Safety and Health Laboratory Students of State Junior High School (SMPN) 7 Mataram
6. Introduction to Safe Household Electrical Installation for Students of State Junior High School (SMPN) 7 Mataram
7. Introduction to the Installation of an External Household Lightning Protection System for Students of State Senior High School (SMAN) 4 Mataram
8. Introduction to the installation of lightning rods on buildings at State Senior High School (SMAN) 8 Mataram
9. Introduction of simple electrical circuits for students of 20 Cakranegara State Elementary School Mataram

10. Counseling on the dangers of lightning strikes For students of the State Elementary School (SDN) 26 Ampenan Mataram
11. Autocad software introduction For design purposes for Vocational High School (SMK) students
12. Demonstration of the Superposition Method in Electrical Circuit Analysis for High School Students (SMAN) 5 Mataram.

Patents and proprietary rights

Theory and Techniques for Solving Electrical Circuit 2022
Cases With MATLAB and SIMULINK I

Important publications over the last 5 years

1. Analysis of Induction Overvoltage Around Down Conductor Injected by Lightning Current (Case Study of STAHN Gde Pudja Mataram Building and Gomong Hubung Substation (member) (2017).
2. Lightning Protection System Analysis (Lightning Performance On High Voltage Air Lines (SUTT) 150 KV Sengkol-Paok Motong.
3. Comparative Analysis of Grounding Impedance Volume Based On Length of Electroda Using Tree point Method.
4. Analysis of the Impact of Indirect Lightning Strikes Around the Unram Teaching Hospital.
5. Analysis of Induction Overvoltage Due to Electric and Magnetic Fields on Two Towers Injected with Lightning Current.
6. Analysis of the Plate Electrode Grounding System at the Gomong Mataram Substation in View from the StepVoltage.
7. Analysis of the Installation Plan of the Insert Transformer on the Distribution Transformer Channel of the Pagutan Feeder.
8. Design And Construction Of RLC Meter Based On Arduino Mega.
9. Counseling on the Use of Electrical Equipment in the Municipality of AsriMataram Housing.
10. Counseling on the Use of Electrical Equipment in the Municipality of Asri Mataram Housing.
11. Introduction of Safe Electrical Installation to Junior High School Students (SMPN) 7 Mataram.
12. Counseling on the dangers of electromagnetic wave radiation in living organisms in Pagutan Barat Village.
13. Counseling on How to Reduce the Danger of Electromagnetic Wave Radiation on Health in Pagutan Barat Village, Mataram.
14. Effect of Electrode Length, Ground Resistivity and Lightning Current Frequency on the Grounding Impedance of the Rod Electrode.
15. Introduction to Lightning Installation in Buildings at Senior High School (SMAN) 8 Mataram.
16. Guidance on Stringing Lights with DC Electricity for 20 Cakra Negara Mataram State Elementary School (SDN) students.
17. Innovation of Utilizing Papaya into Shredded as an Effort for Economic Empowerment of the DakungPraya Tengah Village Community.
18. Introduction to Autocad Software for Design Purposes for RaudlatulHusna Vocational High School (SMKi) Students.
19. Introduction of Simple Electric Circuits to Grow Talent and Creativity of Elementary School (SD) Students in Electrical Science.
20. Morse Code Competency Improvement Based on High Frequency in Mataram Local Radio Organization.
21. Introduction to Simple Electric Circuits at Elementary School

(SDN) 26 Ampenan Mataram.

22. Guidance on Stringing Lights with DC Power Source for students of SDN 20 Cakra Negara Mataram.
23. Guidance on Stringing Lights with DC Power Source for Elementary School students (SDN) 20 Cakra Negara Mataram.
24. Introduction Of Simple Electricity Circuits To Grow Talent And Creativity Of Elementary School Students In Electricity.
25. Design and Build a Prototype of a Wind Power Plant with a Savonius Turbine for Practical Use.
26. Improving Morse Code Competence Based on High Frequency at Mataram Local Radio Organizations.

Activities in specialist
bodies over the last 5
years