



Abdullah Zainuddin, S.T., M.T

Telecommunication

Bachelor's degree (Electrical Engineering) Hasanuddin University 1997

Master's degree (Electrical Engineering) Institut Teknologi Sepuluh Nopember 2001

Employment

Lecturer Undergraduate's program in Electrical Engineering, Engineering Faculty University of Mataram, Indonesia 1998

Research and development projects over the last 5 years

1. Outdoor Localization Based on RSSI (Radio Signal Strength Indicator) Measurement Results on Mobile Communication Networks (Dikti Funds - 2022).
2. Clustering of Lombok Island Earthquakes Backarc Thrust Zone for Disaster Mitigation (Internal Funds - 2022).
3. Application of Magnetic Polarization Method for Precursor Analysis in Large-Scale Earthquake in Fukushima Japan (Internal Funds - 2021).
4. Lombok Region Data Analysis Using Magnetic Polarization Method (Internal Funds - 2020).
5. Characterization of Mangoes Based on Dielectric Value and Conductivity Using Split-Ring Resonator Technique (Internal Funds - 2019).
6. Additive Electricity Switch on The Lombok Geomagnetic Observatory Based on Programmable Logic Control (PLC) (Internal Funds - 2018).

Industry collaborations / Community Services over the last 5 years

1. Implementation of Earthquake Mitigation in The Faculty of Engineering, University of Mataram (Two Year Implementation) (2022).
2. Socialization of Flood and Landslide Disaster Mitigation Due To Earthquake in Sade Village, Central Lombok (2021).
3. Program for Application of Disaster Mitigation in Earthquake Conditions for Disaster Alert School in Paud Ponpes Nurul Wathan Lombok Central NTB (2020).
4. Socialization and Implementation of Earthquake Disaster Mitigation Oriented to Reducing The Earth Magnetic Due To Fault Movement at Ponpes Nurul Wathan, Central Lombok, NTB (2019).

Patents and proprietary rights

1. Sistem Informasi Untuk Menerbitkan Dokumen Sertifikat Yang Disematkan Dengan Kode Qs 2020

- Sebagai Kunci Otentikasi Menggunakan Node.js Dan No-Sql (Ec00202011005).
- Important publications over the last 5 years
1. Geomagnetic Anomaly Associated with Fukushima Earthquake on February 13th (2021).
 2. Correlation of Geomagnetic Signal for Earthquake Studies In 2016-2017 Between Indonesian, Australian and Guam (2020).
 3. Performance Measurement and Analysis of WCDMA 3G Network Voice Services Using Teme Investigation in Mataram (2019).
 4. Earth Magnetic Fields Evolution Over Nusa Tenggara Region From Intensity and Power Spectral Density Changes on Lombok Geomagnetic Observatory (2018).
 5. Optimization of LMDS Network Based on Multi Antenna and Adaptive Modulation in Rain Conditions in Mataram Region Using Waterfilling Method (2018).
 6. Flood Mapping Using a System Application for Automated Geoscientific Analyses (Saga) in Sulin River, Central Lombok Regency (2018).
 7. Analysis of Handover Quality on 3G Network Based on Data Drive Test Using G_Nettrack Software and TEMS Mobile Insight in The Mataram Region (Case Study of PT. Indosat Tbk) (2018).

Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Engineering Faculty University of Mataram	Vice Dean of Financial Affairs	2017 – 2021
	University of Mataram	Head of Internal Control Committee	2022