



TETI ZUBAIDAH

Chair of the Center for Excellence in Science and Technology
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• PROFILE

Name

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Departement of Electrical
Engineering, University of
Mataram
Jl. Majapahit 62, Mataram
83125 Lombok, West Nusa
Tenggara

• EDUCATION

- 2006
-
2010 **DOCTOR PROGRAM**
Geophysic Universitat Posdam /
GeoForschungZentrum (GFZ),
Posdam - Germany
- 1998
-
2001 **MASTER PROGRAM**
Electrical Engineering at
Universitas Gajah Mada (UGM)
- 1993
-
1997 **BACHELOR PROGRAM**
Electrical Engineering at
Universitas Indonesia (UI)

• EXPERIENCE

Research Experience

2018

Pengembangan Observatorium Geomagnetik untuk Sistem Peringatan Dini Bencana Gempa Bumi Terintegrasi di Wilayah Indonesia Timur (Penelitian Terapan Unggulan Perguruan Tinggi, 2018-2020)

2015

Observasi Geomagnetik dan Seismologi Terpadu di Pulau Lombok: Kontribusi untuk Pemodelan Global dan Mitigasi Bencana Gempa Bumi Wilayah Indonesia Timur, (Penelitian Unggulan Perguruan Tinggi, 2015-2016)

2012

Pengolahan Sinyal Seismo-geomagnetik untuk Mitigasi Bencana Gempa Bumi Tektonik Regional di Wilayah Indonesia Timur (Penelitian Unggulan Perguruan Tinggi, 2012-2013)

Konsentrator Flux Geomagnetik Untuk Pembangkit Listrik Tenaga Magnet Bumi (INSINas, 2012-2014)

2006

Pemodelan fisika aplikasi metode geolistrik konfigurasi schlumberger untuk investigasi keberadaan air tanah (Dosen Muda, 2006)

Pemodelan fisika aplikasi metode geolistrik tahanan jenis untuk survey pipa bawah permukaan (Dosen Muda, 2006)

Pemantauan keberadaan anomali geomagnet ekstrem di pulau Lombok NTB: Penentuan pola variasi anomali geomagnet untuk prediksi terjadinya gempa tektonik di daerah patahan (Hibah Pekerti, 2006-2007)

2004

Pengolahan Sinyal Seismo-geomagnetik untuk Mitigasi Bencana Gempa Bumi Tektonik Regional di Wilayah Indonesia Timur (Penelitian Unggulan Perguruan Tinggi, 2012-2013)

Konsentrator Flux Geomagnetik Untuk Pembangkit Listrik Tenaga Magnet Bumi (INSINas, 2012-2014)

ComDev Experience

2016

Pemberdayaan Masyarakat Desa Rembitan Menuju Desa Mandiri Energi Melalui Penyediaan Listrik dari Energi Angin (IbM)

2014

Pelatihan Siaga Bencana dan Pengoperasian Stasiun Pemantau Fluktuasi Geomagnetik di PP Nurul Bayan dan SMPN 2 Gangga Kab. Lombok Utara (IbM)

Publication

2018

Earth Magnetic Fields Evolution over Nusa Tenggara Region from Intensity and Spectral Density Changes on Lombok Geomagnetic Observatory, The 2nd International Conference on Applied Electromagnetic Technology (AEMT) 2018, Engineering Faculty of University of Mataram, Lombok. (IEEE Xplore Indexed)

2017

Correlation of Geomagnetic Signal for Earthquake Studies in Indonesia, Australia and Pacific Regions. International Seminar on Intelligent Technology and Its Application (ISITIA), Electrical Engineering Dept. of ITS, Lombok. (SCOPUS Indexed)

Static and Dynamic Magnetic Fields Scattering on a Mini Magneto-static Flux Manipulator for Wireless Power Transfer, International Symposium on Electrical Engineering on the 14th Quality in Research (QiR), Engineering Faculty of Universitas Indonesia, Denpasar. (IEEE Xplore Indexed)

Publication

2016

A Observation of geomagnetic fields changes related to 9th March 2016 solar eclipse on Lombok Island-Indonesia. The 7th Indonesia Japan Joint Scientific Symposium (IJSS), Chiba University, Japan

2015

Quiet Time Localization of Geomagnetic Data for Japanese Regions. International Symposium of Electrical and Computer Engineering on the 14th Quality in Research (QiR), Engineering Faculty of Universitas Indonesia, Lombok. (SCOPUS Indexed)

2013

Comprehensive Geomagnetic Signal Processing for Successful Earthquake Prediction. The 13th Quality in Research (QiR) 2013, Engineering Faculty of Universitas Indonesia, Jogjakarta. (SCOPUS Indexed)

Magneto-Static Flux Manipulator Prepared for Future Geomagnetic Power Plant. The 13th Quality in Research (QiR) 2013, Engineering Faculty of Universitas Indonesia, Jogjakarta. (SCOPUS Indexed)

2011

Geothermal potential of the Lombok island (new insights from geomagnetic investigations). International Conference on ICT Development in Indonesia, ITPP SNU Korea, Lombok.

2010

New tectonic insights along the Sunda-Banda arcs transition revealed from geomagnetic observations over the Lombok Island. Bali 2010 International Geosciences Conference and Exposition, The Indonesian Association of Geophysicists (HAGI) & SEG, Denpasar.

2007

Monitoring of the existence of High Intensity Geomagnetic Anomaly along the Java Trench: First Year Results. International Workshop on Seismo Electromagnetic (IWSEP), National Institute of Aeronautics and Space (LAPAN) & EMSEV, Bandung.

▪ ACHIEVEMENT

2011

Dosen Berprestasi Peringkat-1, Tingkat Universitas (Universitas Mataram), 2011

2010

Promotion Urkunde: Magna Cumlaude (Universitaet Potsdam, Germany)

▪ ORGANIZATION EXPERIENCE

2017

Institut of Electrical and Electronic Engineers (IEEE) Indonesia Section, Coordinator of East Indonesia Region (2017-2018)

2015

Ikatan Cendekiawan Muslim Indonesia (ICMI) member, until now

2012

Forum Dosen Muslimah Unram (FDM) chairman, until now

2011

Himpunan Ahli Geofisika Indonesia (HAGI) member, until now