



Prof. Dr. Nazli, S.Si., M.Si

Position	Research interests include application of geophysical methods, especially electromagnetics and potential field methods (magnetic and gravity), for exploration, environmental, geothermal and geohazards studies.
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Academic Career	Doctorate course: Ph.D in Geophysics with specialization in Solid Earth Geophysics graduated from Uppsala University (UU), Uppsala, Sweden, (2004-2009); Magister Course: MS in Geophysics graduated from Universitas Gadjah Mada (UGM), Jogjakarta, Indonesia (2008-2001); Bachelor Course: B.Sc in Physics, Universitas Syiah Kuala (USK), Banda Aceh, Indonesia. (1990-2006)
Employment	Professor in Geophysics, Physics Department, FMIPA, USK (2023 – present), Head of Graduate Program in Disaster Science, USK (2016 – 2022), Head of Physics Department, USK (2011 – 2015), Journalist, Serambi Indonesia Daily, Banda Aceh (2007 – 1999).
Research and development projects (last 5 years)	<ol style="list-style-type: none"> 1. Integration of Geophysical and Geomorphological Methods to Reconstruct Coastline Evolution in Banda Aceh in Coastal Area Mitigation and Development Efforts / Fundamental Research, Directorate of Research and Community Service (DRPM), Indonesia / IDR139,550,000 / 2025. 2. Integrating Airborne-magnetic and GIS Data to Evaluate Groundwater Potential Zones in the Banda Aceh and Aceh Besar Catchment Areas / Professor's Research (BOPTN) USK / IDR70,000,000 / 2024 3. Development of Virtual Realty Based on Geophysical and Archaeological Data at the Cultural Heritage of Benteng Gunong Biram, Aceh Besar / Research and Innovation Funding Program for Advanced Indonesia organized by the National Research and Innovation Agency (RIIM – BRIN), Indonesia / IDR103,000,000 / 2024 4. Establishing a Paleotsunami Record along the West Coast of Sumatra, Indonesia / The Earth Observatory of Singapore / SGD 58,800 / 2020 – 2023 5. Historical Reconstruction of Tsunami Along the Coast of Banda Aceh Based on Geoarchaeological Studies / Fundamental Research, Directorate of Research and Community Service (DRPM), Indonesia / IDR250,000,000 / 2020 – 2021
Collaborations (last 5 years)	<ol style="list-style-type: none"> 1. Interaction of Geohazards and Settlements through the Past Millennium, Banda Aceh, Indonesia / Earth Observatory of Singapore (EOS) / 2018 – 2023 2. Paleotsunami deposition as a key to understanding the tectonic and tsunamigenic behaviour of the Sumatran subduction zone through time / Adam Mickiewicz University, Poznań, Poland / 2024 – 2026 3. Geoarchaeological of Aceh Harbours; a Stepover on the Maritime Silk Road / Paris 1 Panthéon-Sorbonne University, and UMR5133 Archéorient (MOM) CNRS - UMR 5133 (SHS) Université Université Lyon 2 (UL2), France / 2020
Patents and proprietary rights	Copyright: EC00202409370, 26 January 2024; Effectiveness of the Role of Pawang Uten in Disaster Management in Serbajadi District, East Aceh Regency; Written Work (Thesis)
Selective Publications (last 5 years)	<ol style="list-style-type: none"> 1. Adhari, M.R., Husin, H., Ismail, N., Ghani, A.A., 2025. Spatio-temporal characterisation of the Beekeeper Formation of Australia: facies development, mixing of carbonate and siliciclastic materials, and influencing factors, Petroleum Research. 2. Adhari, M.R., Marwan, M., Husin, H., Ismail, N., Ghani, A.A., 2024. Understanding Heterogeneities in a Mixed Carbonate-Siliciclastic Reservoir of the Perth Basin, Australia, The Iraqi Geological Journal, 122-149. 3. Ali, B., Nanda, M., Zainal, M., Yanis, M., Surbakti, M.S., Idris, N. & Ismail, N. (2024). Application of ERT, IP and VLF-EM Methods to Investigate Landslide-Prone Structures at Archaeological Sites in Lamreh, Aceh Besar, Indonesia. Trends in Sciences 21 (3), 7221-7221 4. Ismail, N., Yanis, M. & Asyqari, A. (2023). The use of magnetic and geoelectrical methods to locate buried ancient artificial canals and wells around the cultural heritage of Indrapatra Fort, Aceh, Indonesia. Geosciences Journal 27 (1), 67-76 5. Yanis, M., Islami, G. & Ismail, N. (2022). Geophysics and geomorphic observation for near-surface structures mapping of Seulimeum Fault on Lamtamot area, Northern Sumatra. Bulletin of the Geological Society of Malaysia 73, 139-149 6. Chapkanski, S., Brocard, G., Lavigne, F., Tricot, C., Meilianda, E., Ismail, N., Majewski, J., Goiran, J.P., Alfian, D., Daly, P., Horton, B., Switzer, A., Degroot, V., Steuer, A., Siemon, B., Caverro, J., Vermoux, C., Darusman, D. (2022). Fluvial and coastal landform changes in the Aceh River delta (northern Sumatra) during the century leading to the 2004 Indian Ocean tsunami. Earth Surface Processes and Landforms 47 (5), 1127-1146.
Membership	Physical Society of Indonesia (PSI); Society of Exploration Geophysicists (SEG); Indonesian Association of Geophysicists (HAGI).
External link	https://fsd.usk.ac.id/nazli/