



Dr. Nasrullah Zaini, S.Si., M.Si., M.Sc.

Position	Power Electric system, Microcontroller (Bachelor Degree of Electronic Engineering Study Programme) Quantum Physics, Nuclear Physics, Reactor Physics, Medical Physics, Instrumentation, Physical Property (Bachelor Degree Study Programme), Misconception in Physics (Master Degree of Physics Study Programme)
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Academic Career	<p>Doctorate Course: Department of Earth Systems Analysis, Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente (2018)</p> <p>Magister Course: Physics from Institut Teknologi Bandung, Indonesia (2003) and other in Geo-Information Science and Earth Observation for Environmental Modelling and Management (GEM), Erasmus Mundus Master's Programme, joint master degrees of University of Southampton (UK), Lund University (Sweden), University of Warsaw (Poland), and International Institute for Geo-Information Science and Earth Observation (The Netherlands) (2009)</p> <p>Bachelor Course: Physics, Institut ten November (ITS) (1997)</p>
Employment	-
Research and development projects (last 5 years)	-
Collaborations (last 5 years)	-
Patents and proprietary rights	-
Selective Publications (last 5 years)	<ol style="list-style-type: none"> 1. Yanis, M., Isa, M., Zaini, N., Abdullah, F., Umar, M., Marwan, ... & Ghani, A. A. (2025). Evaluation of the shallow hydrothermal system in Jaboi Volcano based on the combination of remote sensing and geophysical measurements. <i>Geosciences Journal</i>, 1-19. 2. Madjid, S. N., Zaini, N., & Fadhli, F. (2024, November). Laser-Induced Breakdown Spectroscopy for Lithium Mineral Identification: Spectral Differentiation of Petalite, Lepidolite, and Kunzite in Geological Applications. In <i>The 14th AIC 2024 on Sciences & Engineering</i>. 3. Vahreza, A., Isa, M., & Zaini, N. (2024). Analysis of the Distribution of Carbon Monoxide Gas and Nitrogen Dioxide Gas and Urban Heat Island (UHI) Based on Multi-Temporal Satellite Data During the Implementation of the Covid-19. <i>Jurnal Penelitian Pendidikan IPA</i>, 10(9), 6790-6797. 4. Yanis, M., Zaini, N., Abdullah, F., Isa, M., Marwan, M., Idris, S., ... & Saputra, D. (2024). Vertical electrical sounding for revealing the groundwater resources in the geothermal spring of Jaboi volcano. <i>Acta Geophysica</i>, 72(3), 1617-1635. 5. Yanis, M., Zaini, N., Novari, I., Abdullah, F., Dewanto, B. G., Isa, M., ... & Abdurrahman, A. (2023). Monitoring of heat flux energy in the northernmost part of Sumatra Volcano using Landsat 8 and meteorological data. <i>International Journal of Renewable Energy Development</i>, 12(1), 55.
Membership	-
External Link	https://fsd.usk.ac.id/nasrullahzaini/