



Amir Asyqari, S.Si., M.Si.

Position	Fundamental Physics, Geophysics, Algorithm and programming, Computational Physics (Bachelor Degree of Physics Study Programme)
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Academic Career	<p>Magister Course: Universitas Syiah Kuala (USK), Indonesia - Physics Department (2017-2019);</p> <p>Bachelor Course: Universitas Syiah Kuala (USK), Indonesia - Physics Department (2013-2017)</p>
Employment	Expert Assistant of Physics Dept., FMIPA, USK (2024 – present)
Research and development projects (last 5 years)	<ol style="list-style-type: none"> 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 Formulation of disaster risk models (Drought and Forest and Land Fires) in financing and insurance of State Property (BMN) and Regional Property (BMD) risks throughout Indonesia based on scenarios of various types of hazards / RISPRO Funding/ Indonesia Endowment Fund for Education Agency (LPDP)/ IDR 2,2 Milyar/2022-2024 Establishing a Paleotsunami Record along the West Coast of Sumatra, Indonesia / The Earth Observatory of Singapore / SGD 58,800 / 2020 – 2023
Collaborations (last 5 years)	<ol style="list-style-type: none"> 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 Expert Staff Assistants in Preparation of Academic Manuscript and Draft Qanun of Aceh Singkil Regency on the Implementation of Forest and Land Fire Management / Aceh Singkil Disaster Management Agency / 2024-2025. Expert Staff in the Preparation of Disaster Risk Assessment Documents (Forest and Land Fires, and Drought) Nagan Raya Regency / Regional Development Planning Agency (BAPPEDA) Nagan Raya / 2024.
Patents and proprietary rights	Copyright Patent (Hak Cipta): EC00202522613/Decision Support System SuperRISKA (computer programs)
Selective Publications (last 5 years)	<ol style="list-style-type: none"> D Darisma, Z Masrurah, A Asyqari, RS Salsabila, N Azmi (2025) INVERSI 1D DATA VERTICAL ELECTRICAL SOUNDING DENGAN VARIASI STRUKTUR RESISTIVITAS BATUAN, <i>JURNAL HADRON</i> 7 (1), 25-32 M Nanda, M Alwan, M Ghufran, MII Fahlefy, I Husein, HA Haridhi, B Munir, A Asyqari (2025) Spatial assessment of soil erosion using the revised universal soil loss equation (RUSLE) model for sustainable marine ecosystems in the coastal of northern part, Aceh Province, <i>BIO Web of Conferences</i> 156, 02010 M Jannah, N Ismail, A Asyqari, FN Indahsari, F Abdullah (2024) Identifying the influence of El Nino Southern Oscillation (ENSO) and Indian Ocean Dipole (IOD) Phenomena on Rainfall in The Aceh Region, Indonesia, <i>Journal of Geoscience, Engineering, Environment, and Technology</i> 9 (04), 582-590 GA Ramadhan, AB Azzam, TT Mahendra, M Zainal, M Nanda, A Asyqari (2024) Identification of the distribution of archaeological artifacts in the area of wastewater treatment installation in the city of Banda Aceh using magnetic methods, <i>AIP Conference Proceedings</i> 3082 (1) M Nanda, N Ismail, M Mahlia, F Amril, B Munir, A Asyqari, H Khatimah (2024) Application of ground-penetrating radar for shallow subsurface investigation at the coastal area of lhok village, lhoong, aceh besar regency, aceh, <i>BIO Web of Conferences</i> 87, 02015 N Ismail, M Yanis, A Asyqari (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, <i>Geosciences Journal</i> 27 (1), 67-76 H Khatimah, N Ismail, F Kurniawan, M Muksin, A Asyqari, AH Pramana (2023) Electrical Resistivity Tomography (ERT) for investigating subsurface structures in the karst area of the Ek Leuntie Cave, Aceh Province, <i>Journal of Aceh Physics Society</i> 12 (4), 6-12
Membership	Physical Society of Indonesia (PSI) (2020/2025); Himpunan Ahli Geofisika Indonesia (HAGI)
External Link	https://fisika.usk.ac.id/amir-asyqari-s-si-m-si/