

Staff Handbook

Geophysics Study Program

Name	Muhammad Fawzy Ismullah Massinai, S.Si., M.T.		
Post	Seismogy and Applied Geophysics – Assistant Professor		
Academic career		Institution	Year
	Initial Academic Appointment	Hasanuddin University	2019
	Doctor Degree	Universiti Kebangsaan Malaysia	Present
	Master Degree	Institut Teknologi Bandung	2016
	Undergraduate Degree	Hasanuddin University	2013
Employment	Position	Employer	Period
	Assistant Professor (Lektor)	Hasanuddin University	
Research and development projects over the last 5 years	Research Project: Thematic Research Group UNHAS Research Title: Pemodelan Tsunami Terintegrasi untuk Mengkaji Ancaman Tsunami di Sekitar Pualu Sulawesi Berdasarkan Aktivitas Sumber Gempa Aktif Period: 2025 Fund: Rp. 60.000.000 Partners: Sabrianto, Aswad, M. Alimuddin, Erfan, M. Fawzy, A. M. Pramadi, Saaduddin, Hendra Pachri, Purwanto, M. Taufiq Rafie Research Project: Self-funding Research Title: Evaluation of Laterite Nickel Content based on XRF Method and Core Drill data Period: 2024 Fund: Rp. 5.000.000 Research Project: Self-funding Research Title: Development of S-wave Velocity Profile Estimation based on Rayleigh Wave Phase Velocity and HVS Microtremor Using Linear Velocity Model Representation. Period: 2024 Fund: Rp. 5.000.000 Research Project: Hibah Internal Penelitian LPPM Unhas (Research Leader) Research Title: Seismic characteristics of ground amplification based on S-wave velocity profile estimation in Bandung Basin. Period: 2023 Fund: Rp. 66.000.000 Research Project: Self-funding Research Title: Local Velocity Model (MKL) of West Sulawesi Crustal Layer with Linear Inversion Modelling Period: 2022		

	Fund: Rp. 5.000.000 6. Research Project: Hibah Internal Penelitian LPPM Unhas (Research Leader) Research Title: Mineral Characteristics of Limestone and Volcanic Rocks of Taccipi Formation in Lappae Bone Region. Period: 2021 Fund: Rp. 70.000.000 7. Research Project: Hibah Internal Penelitian LPPM Unhas (Research Leader) Research Title: Analysis and Mapping of Well Water Quality in Unhas Residence Area (Workshop and Sahabat). Period: 2021 Fund: Rp. 12.500.000			
Industry collaborations over the last 5 years	Project title		Partners	
	-		-	
Patents and proprietary rights	Title		Year	
	-		-	
Important publications over the last 5 years	Title	Journal/Book	Year	Author/Co-author(s)
	A Non-Linear Hypocenter Localization Along The Active Palu-Koro Fault: A Case Study Central Sulawesi	Indonesian Physical Review	2025	Author: Harsano J. Co-author(s): M. Dahlan. M. Fawzy I. et.al.
	Interpreting Fault Dynamics in Terms of Hypocenter Relocation and Fault Characterization	Geodynamics & Tectonophysics	2024	Author: M. Fawzy I. Co-author(s): Sabrianto Aswad, M. Altin M. et.al.
	Determination of the shear wave velocity (vs) profile and subsurface density by measuring microtremor using Rayleigh wave ellipticity inversion in Palu city	AIP Conference Proceedings	2024	Author: Iswatun K Co-author(s): M. Fawzy I., Sofian, et.al.
	Micro-zonation maps: Vulnerability mitigation earthquake of central Sulawesi Province for planning purpose high activity infrastructure building	AIP Conference Proceedings	2024	Author: M. Nur A. Co-author(s): M. Fawzy I., Ayyub A.

	Characteristics of joints on the Saddang Fault in Tana Toraja	AIP Conference Proceedings	2023	Author: M. Altin M. Co-author(s): M. Fawzy I, et. al.
	Land subsidence assessment on karst based on resistivity and geotechnical parameters	Journal of Degraded & Mining Lands Management	2023	Author: M. Altin M. Co-author(s): M. Fawzy I, et. al.
	Drainage Patterns and River Sinuosity in Padang, West Sumatra	Shell Civil Engineering Journal	2022	Author: M. Fawzy I. Co-author(s): M. Altin M. et.al.
	Characteristics of Rock Minerals of the Camba Formation	Advances in Physics Research: Atlantis Press	2022	Author: M. Altin M. Co-author(s): M. Fawzy I, et. al.
	Peak Ground Acceleration (PGA) and Peak Ground Velocity (PGV) Analyze for Microzonation of Earthquake Hazard Area: Case Study in West Nusa Tenggara	IOP Conference Series: Earth and Environmental Science	2021	Author: T. Razin Co-author(s): K. Khatimah, M.Fawzy I. et. al.
Activities in specialist bodies over the last 5 years	Organisation	Role		Period
	Himpunan Ahli Geofisika Indonesia Korwil Sul-Sel-Bar	Secretary		2022-2024