

profile



Dr. Eng. Muh. Alimuddin Hamzah A. M.Eng

Head of the Department of Geophysics



Welcome to the Department of Geophysics, Faculty of Mathematics and Natural Sciences, Hasanuddin-University. We are always committed to the development of education, research, and environmentally geophysical services related to natural disaster mitigation, natural resource exploration, and geophysical instrumentation. The Geophysics Study Program of the Faculty of Mathematics and Natural Sciences of Hasanuddin University has become renowned and internationally recognized by obtaining international accreditation from ASIIN (Akkreditierungsagentur für Studiengänge der Ingenieurwissenschaften, der Informatik, der Naturwissenschaften und der Mathematik). Development of program cooperation between research institutions, both at domestic and international levels, government and private institutions continue to be carried out in order to realize the vision of the Geophysics Study Program, including the alumni and employers through tracer study.

Academic Staff



Prof. Dr. Halmar Halide, M.Sc.
Hydrometeorology

Prof. Dr. Ir. Muh. Altin M., MT., Surv.
Geomorphology – Tectonics

Prof. Dr. Eng. Amiruddin, S.Si, M.Si.
Oceanography



Prof. Dr. Samsu Arif, M.Si
Geographic Information System

Prof. Dr. Sakka, M. Si
Coastal Dynamics

Dr. Erfan Syamsuddin, M.Si
Exploration Geophysics

Dr. Eng. Muh. Alimuiddin H., M.Eng
Oceanography



Ir. Bambang Harimei Suprpto, M.Si
Seismic Exploration

Dr. Muhammad Hamzah S., S.Si., M.T
Applied Geophysics

Syamsuddin, S.Si. M.T
Applied Geophysics

Academic Staff



Sabrianto Aswad, M.Si.
Applied Geophysics



Dr. Fahrudin, S.Si., MT
Applied Geophysics



Makhrani, S.Si., M.Si.
Applied Geophysics



Muh. Fawzy Ismullah M., S.Si., M.T.
Seismology, Applied Geophysics



Saaduddin, M.Sc.
Volcanology



A. Muh. Pramatadie, S.T., M.Eng. Ph.D.
Seismology



Dr. Muh. Taufiq Rafie, S.Si. M.T
Seismology, Earthquake Geomechanics,
Active Tectonics



Aswar Syafnur, S.Si., M.Eng.
Geomatics



Andika, M.Si.
Hydrometeorology



Muh. Farid Wajedy, S. Si., M. Si.
Seismic Hazard



Andri Moh. Wahyu L., S.Si., M.Si.
Applied Geophysics



Overview

The **Department of Geophysics**, Faculty of Mathematics and Natural Sciences, Hasanuddin University, is committed to advancing education, research, and geophysical services related to natural resource exploration, disaster mitigation, and environmental sustainability.



Accreditation

The program has achieved international accreditation from **ASIIN** reaffirming its global standards of excellence. Ongoing collaborations with domestic and international institutions, both public and private, ensure continuous improvement and relevance to the needs of society and industry.

GEOSCIENCE CONSORTIUM OF EASTERN INDONESIA

Hasanuddin University, together with other recognized universities in Eastern Indonesia, has formed a consortium with several universities in Kalimantan and Sulawesi, including Tadulako University (Central Sulawesi), Halu Oleo University (Southeast Sulawesi), and Mulawarman University (East Kalimantan). Under this consortium, we share equipment and human resources, and collaborate in education and research activities.



Hasanuddin
University



Mulawarman
University



Halu Oleo
University



Tadulako
University



Our Team



WE OFFER

- 1 Education in Geophysics**
(Undergraduate and Master degrees)
- 2 High-Quality Research** in
Seismology, Near-Surface and
Environmental Geophysics,
Coastal and Ocean
Environment, Geoinformatics,
Meteorology & Climatology,
Natural Hazards, rock-art
preservation
- 3 Industrial and Governmental
partnership, include:** Ground
water/aquifer exploration,
Geotechnical Natural
investigation, Hazards Mining
Assessment investigation, GIS,
Agriculture Geophysical, Short
Course in enviromental
modeling and management



LABORATORY

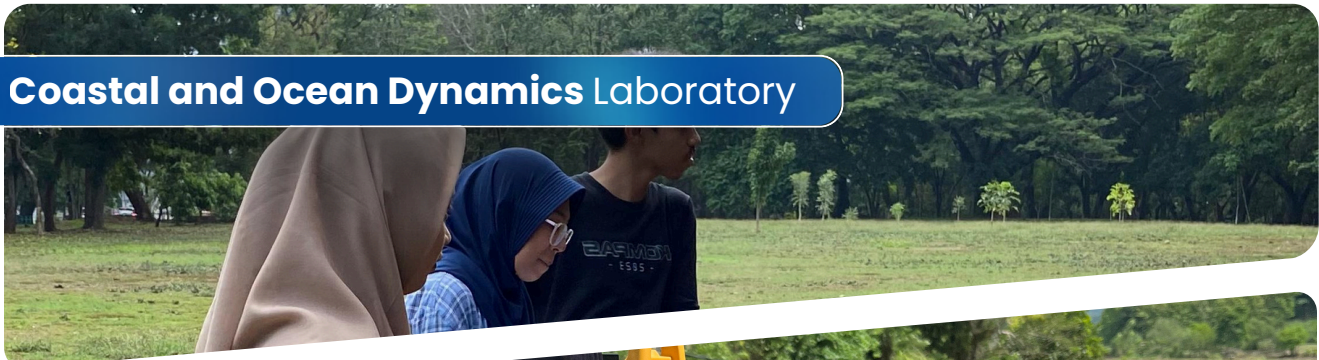
There are **four laboratories** that support educational activities, research, and cooperation between the government and industry, including:



Solid Geophysics Laboratory



Hydrometeorology Laboratory



Coastal and Ocean Dynamics Laboratory

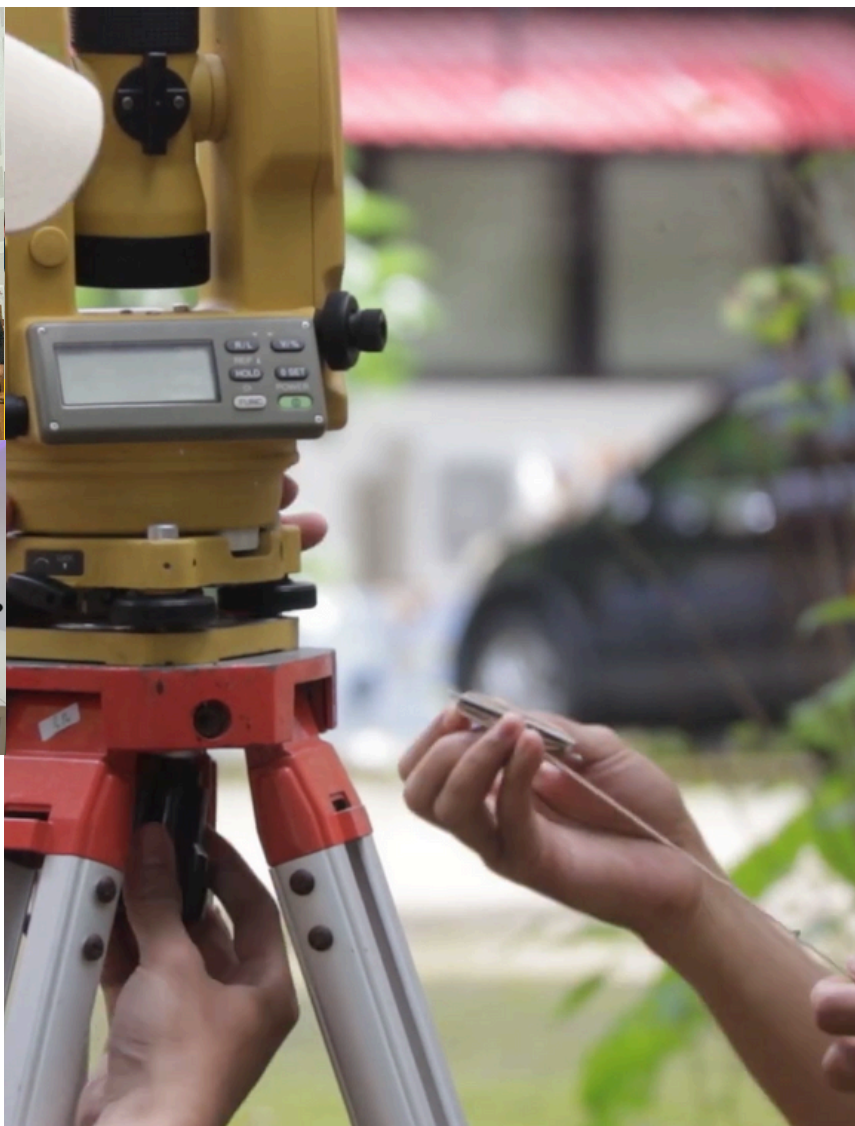


Geoinformatics Laboratory

SUPPORTING FACILITIES



- Seminar room, Lecturer Theater, Laboratorium
- Server, Computers and Softwares



STUDENT CHAPTER AFFAIRS

Several professional student chapters are active under the Department of Geophysics, Universitas Hasanuddin. These chapters provide platforms for students to engage in academic, professional, and networking activities aligned with their fields of study.

The active student chapters include:



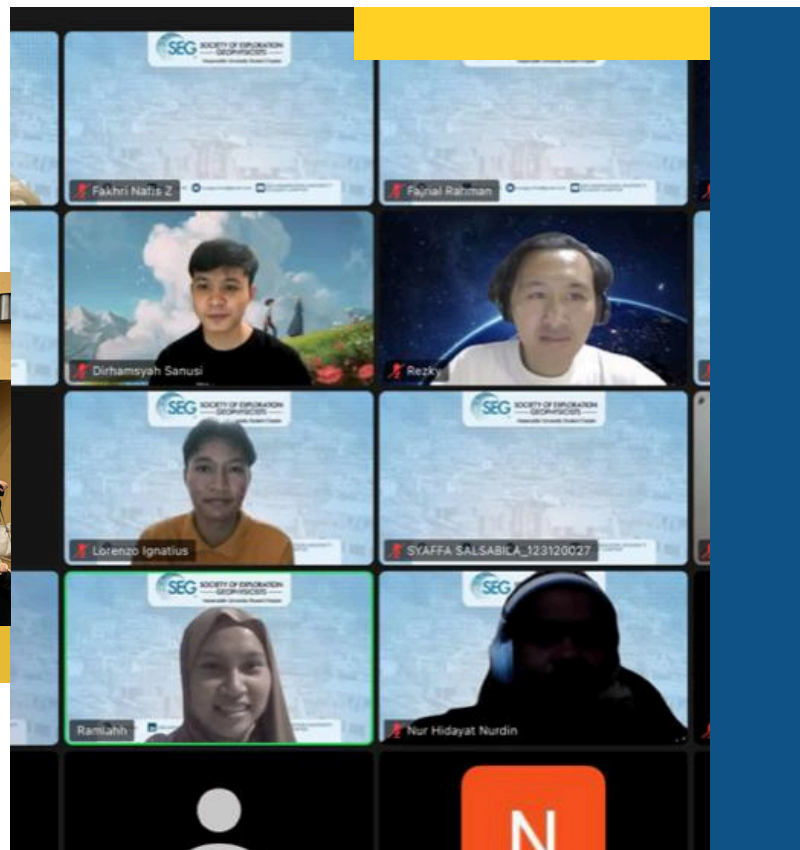
SEG SC
Hasanuddin
University



HAGI SC
Hasanuddin
University



SPE SC
Hasanuddin
University



GEOFYSICAL INSTRUMENTS

- **Multichannel Geoelectric** (GD-20 Multichannel-12)
- **WZG 24-C Seismograph Engineering** Integrated with Refraction, Reflection, MASW, Microtremor & Downhole Seismic
- **XRD 7000 X-Ray Diffractometer Shimadzu**
- **Arl quanxed XRF analyser thermoscientific**
- **GPR Master Pro 10 dual band** 200 MHz & 100 MHz Penetration up to 5 m & 30 m (High Resolution)
- **Proton Magnetometer** (Geotron & GPM 10)
- **110 WS-16 Modular Weather Station (Novalynx USA)** Automatic weather station with comprehensive measurements
- **Air Quality Measurement SO2** Single Gas leak detector
- **Total Station**
- **Drone** (Phantom)





Bachelor Program in Geophysics

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