



DEPARTMENT OF GEOPHYSICS

Faculty of Mathematics and Natural Sciences
Hasanuddin University

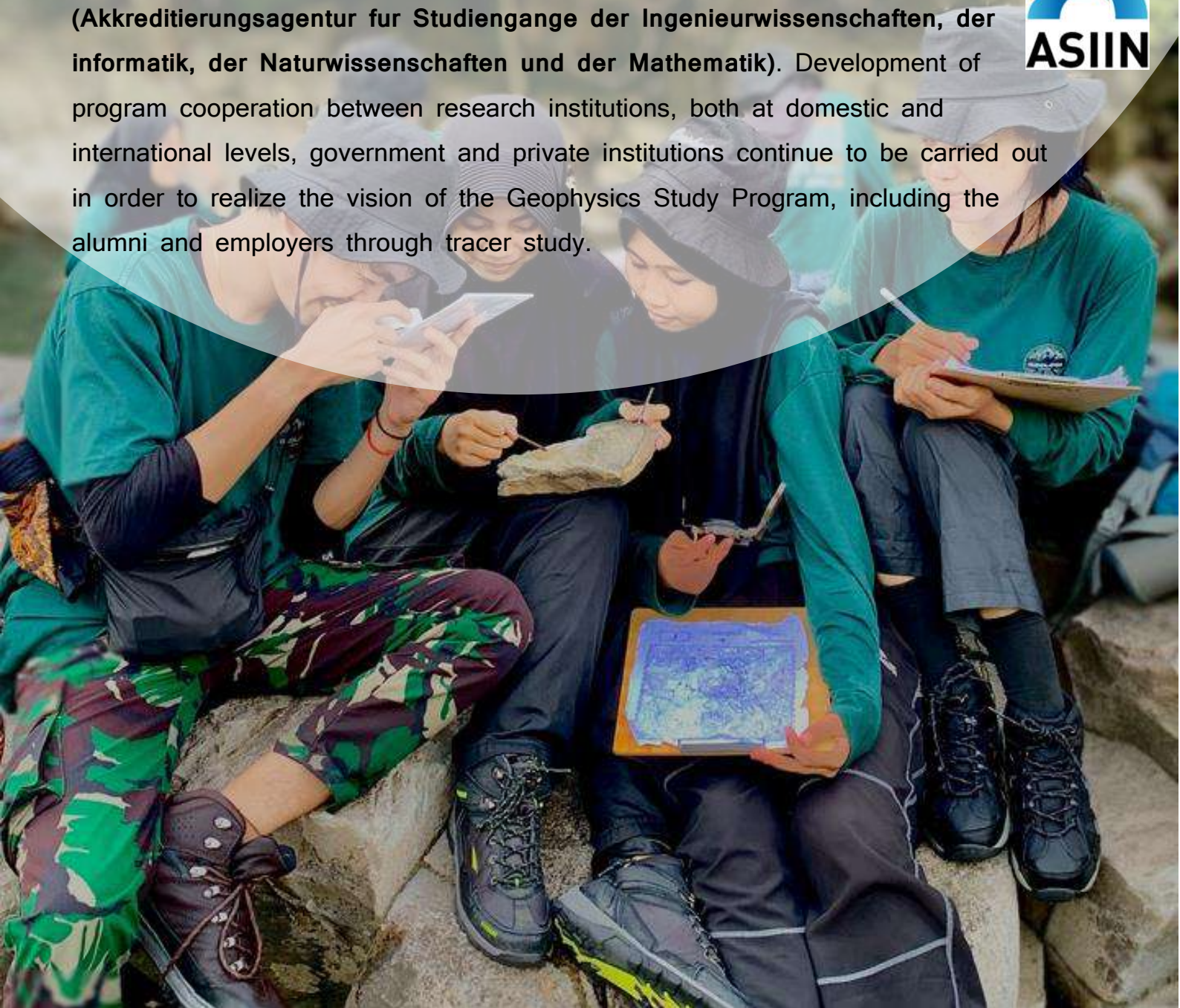


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Profile

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.



Geoscience Consortium of Eastern Indonesia

Hasanuddin University together with recognizable universities in eastern Indonesia which consists of: Tadulako University (Central Sulawesi), Halu Oleo University (Southeast University), and Mulawarman University (East Kalimantan), establish a “**Geoscience Consortium of Eastern Indonesia**”. Under this Consortium, we do share facilities, human resources as well as partnership in terms of education and joint-research collaboration.

Our Team



Hasanuddin University



Tadulako University



Mulawarman University



Halu Oleo University

We Offer:

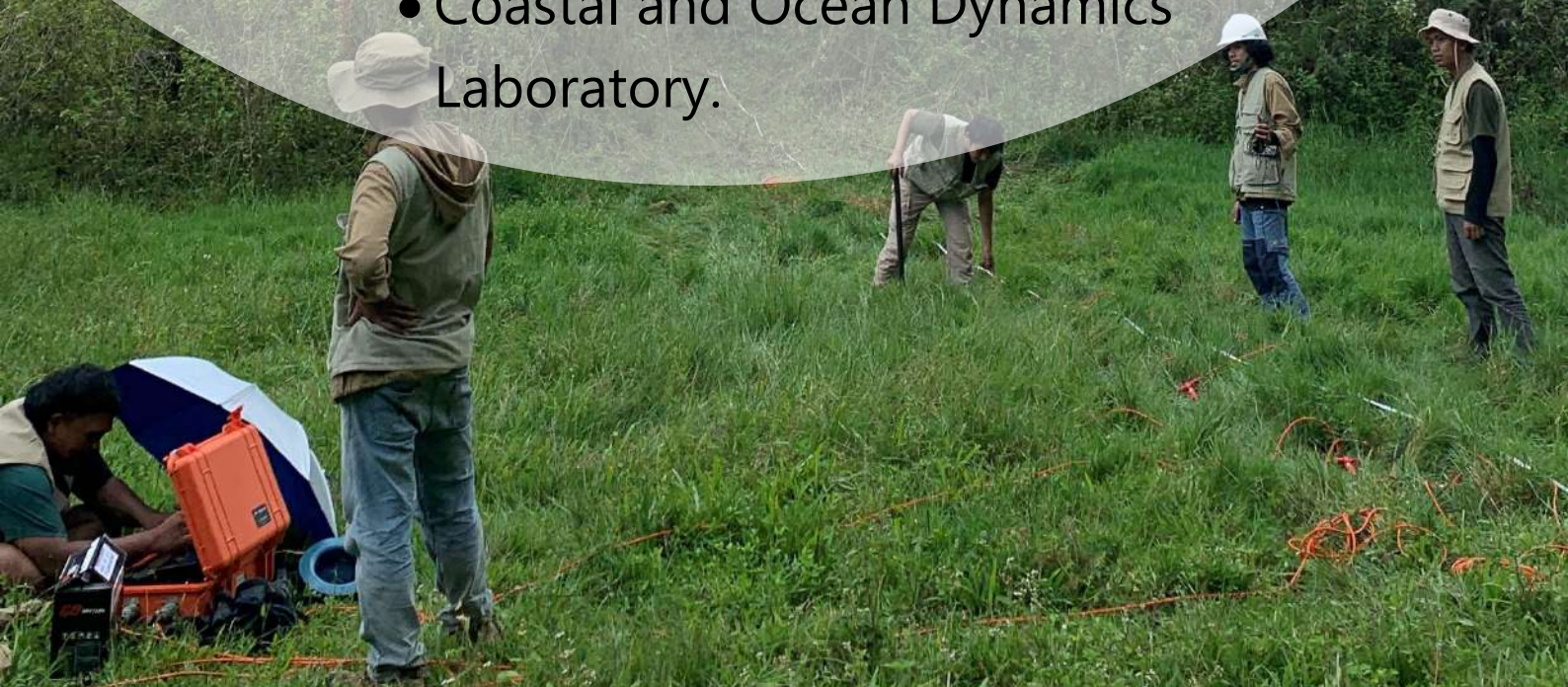
1. Education in Geophysics (Undergraduate and Master degrees)
2. High-Quality Research in Seismology, Near-Surface and Environmental Geophysics, Coastal and Ocean Environment, Geoinformatics, Meteorology & Climatology, Natural Hazards, rock-art preservation
3. Industrial and Governmental partnership,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



Laboratorium

We have four laboratories that support our activities in education, research, and partnership/joint-research collaboration both with government and industry, namely:

- Solid Geophysics Laboratory,
- Geoinformatics Laboratory,
- Hydrometeorology Laboratory,
- Coastal and Ocean Dynamics Laboratory.



Academic Staff

Geophysics Department has lecturers and researchers in various geophysical background: Seismology, Near-Surface Geophysics, Coastal and Ocean Science, Geoinformatics, Meteorology and Climatology, and Geotechnic. They are Master and PhD degree holders as well as Professor.

Supporting Facilities

- Seminar room, Lecturer Theater, Laboratories,
 - Server, Computers and Software
 - Internet connection and Library



Business Units

- Assessment for the Environmental Management (Pengkajian Pengelolaan Lingkungan Hidup)
- Survey of Geophysical Exploration (Survei Eksplorasi Geofisika)

Student Chapter Affairs

- HAGI SC
 - SEG SC
 - SPE SC (Presidential Award for Outstanding Student Chapter over the past 3 years in a row)



Geophysical 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)

