

# Staff Handbook

## Geophysics Study Program

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| Name                                                    | Andi Muhamad Pramatadie, S.T., M.Eng., Ph.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |              |
| Post                                                    | Applied seismology, Surface wave exploration for subsurface estimation, Seismic site effect – Assistant Professor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |              |
| Academic career                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Institution</b>            | <b>Year</b>  |
|                                                         | Initial Academic Appointment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Hasanuddin University         | 2022         |
|                                                         | Doctor Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Tokyo Institute of Technology | 2021         |
|                                                         | Master Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Tokyo Institute of Technology | 2014         |
|                                                         | Undergraduate Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Institut Teknologi Bandung    | 2011         |
| Employment                                              | <b>Position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Employer</b>               | <b>Year</b>  |
|                                                         | Associate Professor (Lektor)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Hasanuddin University         | 2023-current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> <li> <b>Research Project:</b> Kedaireka Matching Fund<br/> <b>Research Title:</b> Implementasi Rekayasa Eksplorasi Endapan Nikel Laterit melalui Integrasi Data ERT dan Data Geologi dalam Menyokong Industri Baterai di Indonesia<br/> <b>Period:</b> 2024<br/> <b>Fund:</b> Rp. 744.830.000<br/> <b>Partners:</b> Sabrianto, Aswad, M. Alimuddin, Erfan, M. Fawzy, A. M. Pramatadie, Saaduddin, Hendra Pachri, Purwanto, M.Taufqi Rafie </li> <li> <b>Research Project:</b> Hibah Internal Penelitian Penelitian Fundamental Kolaboratif, LPPM Unhas (Research team leader)<br/> <b>Research Title:</b> Mikrozonasi Potensi Bencana Kerentanan Tanah Berdasarkan Sebaran Nilai Ground Shear Strain (GSS) di Area Pasca Likuifaksi Petobo, Kota Palu, Sulawesi Tengah, 2023<br/> <b>Period:</b> 2023<br/> <b>Fund:</b> Rp. 66.000.000<br/> <b>Partners:</b> Sabrianto Aswad, Muhammad Akbar Walenna, Muhammad Fawzy Ismullah Massinai, A. Muh. Amil Siddik </li> <li> <b>Research Project:</b> Hibah Internal Penelitian Penelitian Fundamental Kolaboratif, LPPM Unhas (Research Member)<br/> <b>Research Title:</b> Analisis Komprehensif Kawasan Rawan Bencana Gempabumi di Wilayah Sulawesi Bagian Tengah<br/> <b>Period:</b> 2023<br/> <b>Fund:</b> Rp. 66.000.000<br/> <b>Partners:</b> Erfan, Ardy Arsyad, Bulkis Musa, Muhammad Alimuddin, Maria, Syamsuddin </li> </ol> |                               |              |

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| Industry collaborations over the last 5 years | <b>Project title</b>                                                                                                                                                   |                                                                                                           | <b>Partners</b>        |                                                                                     |
|                                               | Multichannel analysis of surface wave (MASW) for Geotechnical Engineering Survey at PT Vale Indonesia Tbk                                                              |                                                                                                           | PT. Vale Indonesi Tbk. |                                                                                     |
| Patents and proprietary rights                | <b>Title</b>                                                                                                                                                           |                                                                                                           | <b>Year</b>            |                                                                                     |
|                                               | -                                                                                                                                                                      |                                                                                                           | -                      |                                                                                     |
| Important publications over the last 5 years  | <b>Title</b>                                                                                                                                                           | <b>Journal/Book</b>                                                                                       | <b>Year</b>            | <b>Author/Co-author(s)</b>                                                          |
|                                               | Microtremor Measurements on Landslide Site at Pattiro Village, Gowa Regency                                                                                            | Iop Conference Series Earth and Environmental Science 1525(1), 012015                                     | 2025                   | Author: Rezki Agus<br>Co-author(s): Andi Muhamad Pramatie                           |
|                                               | Investigation of Landslide Occurrence Using Microtremor: Landslide Case Study in Bulobulo Village, Barru, Indonesia                                                    | Iop Conference Series Earth and Environmental Science 1525(1), 012013                                     | 2025                   | Author: Almubdy Siraj Ramadhan,<br>Co-author(s): Andi Muhamad Pramatie, M. Altin M. |
|                                               | Slope stability analysis by integrating seismic refraction method and geotechnical soil testing: Case study of landslide in Bulobulo Village, Barru Regency, Indonesia | Journal of Degraded and Mining Lands Management 12(3), pp. 7779-7787                                      | 2025                   | Author: Dwi Nurfajriana Sam<br>Co-author(s): M. Altin M. Andi Muhamad Pramatie      |
|                                               | Exploration of Shallow S-wave Velocity in Bandung Basin using Surface S-wave Velocity and H/V Method                                                                   | 6th Asia Pacific Meeting on Near Surface Geoscience and Engineering Smart Technologies Kind to the Planet | 2024                   | Author: Andi Muhamad Pramatie<br>Co-author(s): Hiroaki Yamanaka                     |
|                                               | Shallow S-wave Velocity Profile Estimation using Surface Velocity and Microtremor HVSr with a Linear Velocity Increase Approach                                        | Journal of Mathematical and Fundamental Sciences 54(3), pp. 330-358                                       | 2023                   | Author: Andi Muhamad Pramatie<br>Co-author(s): Hiroaki Yamanaka, Afnimar            |

| Activities in specialist bodies over the last 5 years | Organisation                                            | Role   | Period         |
|-------------------------------------------------------|---------------------------------------------------------|--------|----------------|
|                                                       | Himpunan Ahli Geofisika Indonesia<br>Korwil Sul-Sel-Bar | Member | 2022 - current |