

ADETYA TINO FORRESTIAWAN

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WORKING EXPERIENCE

Geological Agency, Ministry of Energy and Mineral Resources, Bandung

Nov 2024 – Dec 2024

Land Surveyor and Data Analyst

- Conducting field surveys with GNSS Trimble R750 to determine land subsidence in Surabaya.
- Processing GNSS data with GAMIT/GLOBK to determine Horizontal and Vertical Velocity.
- Creating GNSS data plots to determine SNR and Skyplot for each GPS point.
- Analyzing the results of the methods used.
- Analysis of results using remote sensing.

Geological Agency, Ministry of Energy and Mineral Resources, Bandung

May 2024 – May 2024

Land Surveyor and Data Analyst

- Conducting field surveys with GNSS Trimble R750 to determine land subsidence in Surabaya.

Lecturer Research, Surabaya

Nov 2023 – Dec 2024

Data Analyst and Data Processor

- Processing survey data from the geospatial information agency using GAMIT software on Linux UBUNTU.
- Analyzing the processing results with data from the meteorology, climatology and geophysics agency.
- Creating a Probabilistic Seismic Hazard Analysis of earthquakes in Lampung province.
- Creating a map using Generic Mapping Tools Software by creating a plotting program, the map data from the results of processing and spatial analysis that can be used for Probabilistic Seismic Hazard Analysis in Lampung province.

ATR/BPN Surabaya 1, Surabaya

Jul – Aug 2023

Cadastral Surveyor

- Conducting cadastral surveys in the separation of land certificates.
- Making plots from the results of field surveys.
- Working on land certificate archives.

3D Building Modeling Project, Jember

May 2024

Land Surveyor

- Conduct GNSS measurements for GCP in making 3D modeling of Mangli station building, Jember.
- Conduct engineering survey to create point cloud points.
- Assist in processing 3D modeling of Mangli station building using Agisoft Metashape.

EDUCATION

Sepuluh Nopember Institute of Technology, Surabaya

Aug 2020 – Feb 2025

Bachelor of Science, Geomatics Engineering

GPA 3.06 of 4.00

LEADERSHIP ACTIVITIES

ILITS Ponorogo, Surabaya

Jan – Mar 2021

Staff

- funds and business Ini Lho ITS.
- Supervise the committee's performance in introducing the ITS Campus and ILITS Try Out, achieving the schedule, and scheduling the branding of the ITS Campus for high schools.

HIMAGE, Surabaya

Oct 2021 – Jul 2024

Regular Member

- Regular member after 8 months of training.
- Maintaining security during graduation ceremonies

Geosentric, Surabaya

Feb 2021 – Nov 2021

Publication and documentation staff

- Create poster design
- Create proposal design
- Event documentation

Community service, Ponorogo

Jun - Aug 2022

Public Relations

- Installing PLTS with an on grid system.
- Connecting the service team with the community.
- Provide insight into PLTS to the community.
- Providing training in making organic fertilizer from banana stems, this activity is an additional activity due to the extra time than expected.
- Teaching in Kindergarten as an additional activity.

ACHIEVEMENTS

Pakibraka of Ponorogo Regency, Ponorogo

Aug 2018

3rd place in Ponorogo district - Year 2017/2018.

LANGUAGES AND SKILLS

- Bahasa Indonesia (Native), English (intermediate).
- Surpac (Surpac Skills for processing bathymetric survey data)
- ArcGIS (ArcGIS Skills for plotting and map layout)
- QGIS (QGIS Skills for plotting and making maps)
- Agisoft Metashape (Agisoft Metashape Skills for create a map (Orthophoto Map)
- MatLab (Matlab Skills to create programs to calculate field survey results)
- Open Pit Mining Survey (determination of exploration points, topographic measurements, calculation of mining volume, measurement of space-boundary and depth)
- Underground mine survey (Tunnel mapping and measurement, position checking and geometry control, movement and deformation monitoring)
- GNSS (RTK, GPS Geodetic for field survey)
- Photogrammetry to carry out mapping based on remote sensing using unmanned aerial vehicles on certain land areas with an accuracy of 0.1 mm.
- AutoCad Map 3D (Skills for Plotting data survey)
- Adobe (This skill can create Video Photo Design and Editing)