FADLAN IHSANUL WAJDI

Semarang, Central Java, 50268 | +62 87766007194 | fadlanwajdi@gmail.com
https://www.linkedin.com/in/fadlanwajdi

I am a recent graduate in Geodetic Engineering from Diponegoro University with a GPA of 3.36. I have proven abilities in working both independently and collaboratively within a team to address challenges. I possess a specific enthusiasm for Remote Sensing and Hydrography. Additionally, I am proficient in using various software tools, including Ms. Office and Google Earth Engine, to enhance my work.

EDUCATION

DIPONEGORO UNIVERSITY   **2019-2023**
Bachelor of Geodetic Engineering – GPA 3.36/4.00
- Studied: Remote Sensing, Terrestrial Survey, Photogrammetry, and Geographic Information Systems.

INTERNSHIP EXPERIENCE

KREASI HANDAL SELARAS - Jakarta, Indonesia   **July 2022-August 2022**
Internship
- Processed UAV data to support mapping and spatial analysis.
- Handled LiDAR data processing to obtain information within the context of geospatial projects.
- Planned LiDAR data acquisition for a land reclamation project in Central Kalimantan.
- Conducted research and wrote articles on the application of UAV LiDAR in coastline change detection and inspection of power transmission lines.

PTPSW BPPT - Banten, Indonesia   **January 2022 – March 2022**
Internship
- Identified changes in mangrove areas by utilizing Google Earth Engine.
- Participated in a project detecting shadow zone areas using the Montrey-Miami Parabolic Equation Model.
- Was responsible for processing Conductivity, Temperature, and Depth (CTD) data.
- Processed bathymetric data using Mike Zero 21 software.

ORGANIZATIONAL EXPERIENCE

HIMPUNAN MAHASISWA TEKNIK GEODESI UNDIP   **2021 - 2023**
- Organization Board (2023)
- Research and Development Team (June 2021 – December 2022)

SENAT MAHASISWA UNDIP   **2020 - 2021**
- Member of Commission I for Aspirations and Advocacy (Jan 2020 – Dec 2020)
- Senator of Commission VI for Human Resource Development and Organization (Jan 2021 – Dec 2021)
- Member of the Senate Court of Honor (Jan 2021 – Dec 2021)

TRAINING

- Sustainable Development in the 21st Century with Ban Ki Moon (2021) [Coursera]
- Dynamic Array in Excel (2022) [Udemy]
- Introduction to Google Earth Engine (GEE) (2022) [Udemy]
- Water Diplomacy and Transboundary Aquifer Management (2022) [Unesco]
- Specialized Mapping with UAV Drone (2022) [Geospatial Education]
- Fundamental Machine Learning for Earth Science (2022) [ARSET NASA]
- International Water Law (2022) [Coursera]
- Introduction to Remote Sensing for Catchment and Water Resource Management (2023) [Unesco]
- Drone Training and Remote Pilot Certification (2023) [TerraDrone]
- InSAR Processing & Analysis (ISCE+) Short Course (2023) [Earthscope Consortium]
- Spectral Indices for Land and Aquatic Applications (2023) [ARSET NASA]

SKILLS

- Microsoft Office Tools
- Arc GIS
- AutoCAD
- Mike
- LiDAR360
- QGIS
- PolSAR Pro
- SNAP
- Earth Engine
- Agisoft