WADDAN AZIZ

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Profile

A graduate of Geodesy and Geomatics Engineering from Universitas Lampung, experienced in land surveying and mapping, both terrestrially and through aerial and remote sensing methods. Previously worked as a Surveyor and GIS Specialist at the Ministry of Agrarian Affairs and Spatial Planning (ATR/BPN) on the PTSL, PTPR, and NDL projects, as well as serving as a land acquisition officer for the Margatiga Dam in East Lampung. Participated in the development of a tourism map for the coastal and geothermal areas of Kunjir and conducted remote sensing data analysis.

Work Experience

Geomatics Specialist | PT EXSAMAP ASIA | South Jakarta
December 2024 – February 2025

Created large-scale vector maps based on high-resolution satellite imagery in various regions of Indonesia.

GIS Specialist | Ministry of ATR/BPN | Pesawaran, Lampung
July 2023 – September 2023

• Conducted land survey data collection and processing

• Created NDL maps for 15 villages

Surveyor | Planning Consultant | North Lampung, Lampung
October 2022 - November 2022

• Conducted survey and inventory of road and bridge conditions

• Created road and bridge condition maps

• Documented road and bridge conditions

Drone Pilot | Lampung
May 2022 – August 2022

• Created aerial maps of the Geothermal and Kunjir Beach tourism area using DJI Mavic Pro

• Created aerial maps of landslide-prone areas in Kemiling, Bandar Lampung using DJI Phantom 3

• Created village boundary maps for Sinar Semendo using aerial imagery from DJI Mavic Pro

Surveyor | Ministry of ATR/BPN | East Lampung, Lampung
March 2021 – December 2021

• Conducted land parcel measurement surveys using GNSS

• Created PBT for land acquisition of Margatiga Dam

• Surveyor for Thematic Land and Spatial Mapping Project (PTPR)

• Surveyor for the Margatiga Dam Land Acquisition Project

Education

Bachelor of Engineering | Universitas Lampung | 2018 – 2024

• Geodesy and Geomatics Engineering – GPA 3.37/4.00

• Thesis on land cover change modeling and prediction for 2025 in SWP Cigombong using Cellular Automata and Markov Chain methods.

• Teaching assistant for Photogrammetry and Cartography courses

Skills

• Cadastral Survey, GNSS Survey, Drone Pilot, Plotting, Data Processing

• Software: AutoCAD, QuantumGIS, ArcGIS, Surfer, Terrset, Agisoft Metashape, Envi

Languages

• Indonesian - Native

• English - Intermediate