ESY KUSUMA WATI, S.T.

GEODETIC ENGINEER / GEOSPATIAL PROFESSIONAL

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PROFILE

Geodetic professional with more than two years of experience in topographic surveys, UAV LiDAR, photogrammetry, GNSS, GIS, and geospatial processing. The supplied CV reports involvement in over 20 survey and mapping projects across infrastructure, mining, forestry, water-resource management, land surveying, and development.

CORE EXPERTISE

Topographic surveying • UAV LiDAR & photogrammetry • Static, RTK & PPK GNSS • GCP/ICP measurements • Bathymetry • Orthophoto, point-cloud & DSM/DTM processing • Contours & profiles • GIS • Technical reporting • Project coordination

TOOLS

Agisoft Metashape, DJI Terra, CHC Geomatics Office, Global Mapper, ArcGIS, QGIS, AutoCAD Civil 3D, ENVI, Google Earth Pro, LiCSBAS, Microsoft Office.

PROFESSIONAL EXPERIENCE

Geodetic Engineer — PT Karta Bhumi Nusantara

Nov 2024–Present | Yogyakarta
Survey planning and coordination, technical data processing, mapping deliverables and quality control.

Freelance Mapping — National Land Agency (BPN)

Aug–Sep 2024 | Palembang
Parcel digitization and topology processing for the Kota Lengkap project.

GIS Analyst — Yna Corp

Jun 2023–Jul 2024 | Lampung
GIS analysis, imagery interpretation, aerial-photo maps and site-mapping outputs.

Intern — Way Kanan Regency Government

Jun 2023–Jan 2024 | Lampung
Cartometric village boundaries, toponymy, digitization, topology and KUGI-aligned map layouts.

EDUCATION & ACADEMIC EXPERIENCE

Institut Teknologi Sumatera — B.Eng. in Geomatics Engineering, 2020–2024 (GPA 3.34/4.00).
Thesis: Deformation Analysis of the Semangko and Kumering Faults using InSAR (2015–2023).
Teaching/practicum assistant in surveying, GNSS, GIS and remote sensing.

SELECTED PROJECT EXPERIENCE

2026 UAV LiDAR & Photogrammetry Survey for MC 100 Irrigation Project — Indramayu
Drafter

2026 SID for New Paddy Field Development — North Maluku
Geodetic Engineer

2026 Topographic Survey for Post-Disaster Road Rehabilitation — Bireuen–Takengon, Aceh
Data Processor

2025 Topographic & Bathymetric Survey for Wulan River Optimization — Demak
Geodetic Engineer

Public summary prepared from a supplied CV. Private address, phone number, identity numbers, scanned academic records and original CV pages are intentionally excluded. Confirm project information before publishing.