

RINI HUSADIYAH

☎ +6282286461937 | ✉ rinihusadiyah@gmail.com | 🔗 [linkedin.com/in/rinihusadiyah/](https://www.linkedin.com/in/rinihusadiyah/) | 🌐 [personal website](#)

An enthusiastic GIS Developer & Analyst with a strong dedication to geospatial technology and application development. Experienced in spatial data analysis, GIS programming, and field surveying using terrestrial and aerial survey equipment. Skilled in both developing GIS applications and performing geospatial analysis (map creation, image interpretation, spatial database).

PROFESSIONAL EXPERIENCES

PT Techno GIS Indonesia

Sep 2024 – Dec 2024

GIS Developer Intern

- Co-developed and patented PRESISI, a mobile geospatial application for high-accuracy village boundary mapping.
- Integrated application with geodetic GNSS tools for precise spatial data collection.
- Designed and managed PostgreSQL/PostGIS database for efficient geospatial data processing.

Universitas Gadjah Mada

Aug 2024 – Dec 2024

Lecturer Assistant for Computer Programming

- Assisted 62 GIS undergraduate students in understanding fundamental programming concepts (VB.Net, C#, Python, Java, HTML & CSS, JavaScript, PHP).
- Guided practical sessions and provided mentorship for coding exercises.

Directorate General of Spatial Planning, Ministry of Agrarian Affairs and Spatial Planning/ National Land Agency (ATR/BPN)

Feb 2024 – Jun 2024

Detailed Spatial Plan (RDTR) Development Team

- Revised base maps and thematic maps for spatial planning purposes.
- Contributed to drafting the 2024-2044 RDTR planning document for IKK Lubuk Tarok.
- Developed spatial structure plans using ArcGIS and QGIS.

PROJECTS

AIRISMAP (2025)

Developed a mobile GIS application for irrigation network mapping with low-cost geodetic GNSS integration and spatial database processing. Features include real-time survey tracking, irrigation infrastructure inventory, and topology rules-based mapping validation to ensure compliance with standard mapping accuracy.

PRESISI (2024)

Patented geospatial application for high-accuracy village boundary mapping, integrating geodetic GNSS tools and spatial data processing. Collaboration between Universitas Gadjah Mada and PT Techno GIS Indonesia. [Registered under Indonesian Intellectual Property Rights \(HKI\) No. 000830667.](#)

GIS Fieldwork – Data Acquisition and Mapping (2023)

Captured aerial photos using DJI Phantom 4 and verified village boundary coordinates using Trimble R8S GNSS.

GIS Fieldwork – Album Map Generation (2022)

Created base and thematic maps for Kapanewon Pajangan, Bantul Regency, Yogyakarta.

EDUCATION

Universitas Gadjah Mada

2021 - 2025

Bachelor of Applied Science in Geographic Information Systems | GPA: 3.68/4.00

SKILLS & LANGUAGES

Technical Skills : Map Making, Spatial Data Processing & Analysis (ArcGIS Desktop & Pro, QGIS, ENVI, PCI Geomatics, Global Mapper, Agisoft), Survey & Fieldworking, Database Management (PostGIS, PostgreSQL, MySQL), Aerial Photography, Apps & Website Development (Javascript, HTML & CSS, PHP, Java), Data Sciences & Analysis (Phyton, SQL, R, Tableau Public).

Soft Skills : Teamwork, Problem Solving, Leadership, Management

Languages : Indonesian [Native], English [Professional Working Proficiency]