

RINI HUSADIYAH

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An enthusiastic Geographic Information System (GIS) student with a strong dedication to integrating geospatial technology for innovative solutions. Possesses a keen interest in mapping and GIS programming. Proficient in spatial data analysis and processing, GIS programming, as well as operating both terrestrial and aerial survey equipment.

PROFESSIONAL EXPERIENCES

PT Techno GIS Indonesia

Sep 2024 – Dec 2024

GIS Developer Intern

- Developed and patented a mobile mapping application for village boundary delineation using JavaScript.
- Integrated the application with GNSS GPS geodetic tools, improving data accuracy for spatial boundary mapping.
- Designed and managed a spatial database using PostgreSQL and PostGIS to store and process geospatial data efficiently.

Universitas Gadjah Mada

Aug 2024 – Dec 2024

Lecturer Assistant for Computer Programming

- Assisted 62 GIS UGM students' batch 2024 in understanding basic material regarding computer programming in several programming languages such as VB.Net, C#, Python, Java, HTML & CSS, JavaScript, and PHP.

Directorate General of Spatial Planning, Ministry of Agrarian Affairs

Feb 2024 – Jun 2024

and Spatial Planning/ National Land Agency (ATR/BPN)

Detailed Spatial Plan (RDTR) Development Team

- Revised base maps and thematic maps for spatial planning purposes.
- Assisted in preparing fact books and analysis documents from the RDTR of IKK Lubuk Tarok, Sijunjung Regency.
- Contributed to drafting the 2024-2044 RDTR planning document for IKK Lubuk Tarok.
- Developed spatial structure plans using ArcGIS and QGIS.

PROJECTS

GIS Fieldwork

- [Album Map Generation \(2022\)](#)
Generated base map and thematic maps for the Kapanewon Pajangan, Kabupaten Bantul, Daerah Istimewa Yogyakarta
- [Data Acquisition and Mapping \(2023\)](#)
 - Taken aerial photos of Canden to capture spatial data views with DJI Phantom 4
 - Taken coordinates for boundary confirmation between the village of Canden and the neighbouring village with GPS RTK Trimble R8S.

EDUCATION

Universitas Gadjah Mada

2021 - 2025

Bachelor of Applied Science in Geographic Information Systems, 3.66/4.00

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 (Python, SQL, R, Tableau Public).

Soft Skills : Teamwork, Problem Solving, Leadership, Management

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

PORTFOLIO

GIS Analyst : [Click Here](#)

GIS Programmer : <https://github.com/RiniHSD>