



# NABILA ARYUNI NUROKTAVIA

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Yogyakarta, Indonesia

Result-oriented Geodetic Engineering student at Universitas Gadjah Mada with a strong background in spatial data analytics and operational leadership. Proven ability to manage complex data projects and lead large-scale teams (32+ members). Highly proficient in leveraging geospatial technology (GEE, GIS) to solve multi-dimensional problems, with a focus on efficiency and digital innovation. A high-achiever with international recognition, eager to apply engineering rigor and data-driven optimization to enhance Unilever's end-to-end Supply Chain resilience.

## Education Level

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**Universitas Gadjah Mada - Yogyakarta, Indonesia**

Aug 2022 - Aug 2026 (Expected)

*Undergraduate Teknik Geodesi, 3.33/4.00*

**SMA Negeri 3 Sidoarjo - Sidoarjo, Indonesia**

Jul 2019 - Jun 2022

*High School Diploma in Student*

## Experience and Committees

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**Brain Academy by Ruangguru - Yogyakarta, Indonesia**

Apr 2026 - Present

*Singapore Math Tutor*

Brain Academy is a premier hybrid education provider by Ruangguru, Indonesia's largest EdTech platform, delivering integrated offline and online learning solutions, including smart classrooms, personalized mentoring, and standardized curricula for K-12 academic excellence.

- **Communication**: Facilitated bilingual (English-Indonesian) instruction for the Singapore Math curriculum, managing small-group sessions of 5 students per class to effectively simplify and communicate complex logical and numerical concepts

**Laboratory Assistant - Department of Geodetic Engineering, Gadjah Mada University**

Aug 2025 - Present

- **Supervision & Quality Control**: Supervised technical laboratory sessions for ~80 students (40 per session), ensuring high-quality outputs in UAV photogrammetry, DSM/DTM generation, and satellite imagery processing.
- **People Development**: Acted as a mentor and technical trainer for complex geospatial software (Agisoft, Mission Planner, GEE, Google Colab), accelerating the technical proficiency of team members.

**Leica Geosystems by Hexagon - South Jakarta, Indonesia**

Jan 2026 - Mar 2026

*GIS Specialist*

Leica Geosystems is a Swiss-based geospatial technology company providing high-precision surveying and mapping solutions, including GNSS, LiDAR, total stations, and integrated hardware-software systems for spatial data acquisition and analysis.

- **Operational Efficiency**: Developed a web-based land boundary survey application integrated with Zeno Connect, streamlining field data collection processes and improving data accuracy.
- **Risk Mitigation**: Processed satellite imagery using Google Earth Engine (GEE) and QGIS for flood analysis in Jakarta and Aceh, providing critical spatial data for disaster preparedness and logistics planning.
- **Data Management**: Managed end-to-end spatial data workflows by integrating field-collected GNSS data (Leica Zeno FLX100) into ArcGIS Online for real-time visualization and reporting.

**Muda Tahan Bencana - Yogyakarta**

Aug 2022 - Jan 2023

*Intern Digital and Social Media*

A non-profit organization focused on disaster awareness education for children through web-based games and offline social activities.

- **Content Strategy**: Managed end-to-end weekly content planning and social media strategy for @mudatahanbencana, streamlining production for posts, captions, and after-event videos.
- **Project Execution**: Orchestrated offline disaster awareness programs at elementary schools, directly facilitating sessions for 20-30 students per event to ensure effective engagement and knowledge transfer.
- **Public Relations**: Supported cross-platform publications for offline events, enhancing organizational visibility through strategic digital storytelling.

**PIONIR Gadjah Mada - Yogyakarta**

Feb 2024 - Aug 2024

*Co-Facilitator Sub-Coordinator*

- **Large-Scale Operations**: Led and synchronized a team of 32 co-facilitators to manage the onboarding logistics and mentoring for 800+ first-year students, ensuring seamless program execution.
- **Strategic Communication**: Orchestrated digital branding strategy via @co.fasilitator Instagram, achieving 111K+ video views and high community engagement through data-driven content production.

## Organizational Experience

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## **Ikatan Mahasiswa Geodesi Indonesia (IMGI)**

Jul 2023 - Mar 2025

### *Chair of the Communication Forum*

IMGI is a national-scale student organization focused on the academic and professional development in Geodesy and/or Geomatics.

- **Stakeholder Representation:** Represented KMTG UGM as an official national delegate, collaborating with 15 member universities to synchronize national-level programs and professional development initiatives.
- **Information Flow Optimization:** Acted as a strategic liaison to ensure seamless end-to-end communication, disseminating critical updates, policy changes, and opportunities from the national board to 400+ local members.

## **Keluarga Mahasiswa Teknik Geodesi (KMTG) - Yogyakarta, Indonesia**

Jul 2023 - Mar 2025

### *Head of External Relations (Alumni and Institutional Affairs)*

The Geodetic Engineering Student Association, Faculty of Engineering, Universitas Gadjah Mada, which facilitates students' academic, professional, and personal development within the university environment.

- **Project Leadership:** Spearheaded the end-to-end execution of GEMINI IMGI × BENCHMARK PERHIMAGI as Event Chairperson, managing cross-disciplinary logistics, budgeting, and coordination for 70+ participants from multiple national organizations.
- **External Stakeholder Management:** Acted as the primary institutional liaison and official representative for KMTG UGM in various external forums, managing relations with alumni, partner institutions, and industry stakeholders to ensure professional alignment.
- **Communication & Crisis Management:** Orchestrated public relations and served as Master of Ceremonies for high-profile departmental events, ensuring seamless communication flow and maintaining 100% operational success in high-pressure environments.

## **BEM KMFT UGM - Fakultas Teknik UGM, Yogyakarta**

Mar 2023 - Dec 2023

### *Staff, Ministry of Student Synergy*

Student Executive Board (BEM) at the Faculty of Engineering, Universitas Gadjah Mada.

- **Digital Branding Strategy:** Managed the end-to-end execution of weekly digital campaigns for @bemkmftugm, ensuring consistent delivery of high-quality content under tight weekly schedules.
- **Impact & Reach:** Outperformed previous engagement benchmarks by generating 11.9K+ views for the "Dutik" series, successfully elevating the organization's digital presence through strategic storytelling and content editing.

## **Achievement**

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- **Achievements** 🏆 (2024): Achieved Top 9 in the ASEAN Geospatial Challenge 2025, organized by Badan Informasi Geospasial.
- **Achievements** 🏆 (2024): Won 1st Place in the National Scientific Paper Competition 1.0 (2024) organized by IT Telkom Purwokerto.
- **Achievements** 🏆 (2024): Achieved 5th Place in the Geospatial Challenge – One Map Policy Summit 2024, organized by Kementerian Koordinator Bidang Perekonomian Republik Indonesia.
- **Achievements** 🏆 (2024): Contribution as “Presenter of Scientific Conference” at the International Conference of Integrated Intellectual Community 2024 yang diadakan oleh PPI Jerman
- **Achievements** 🏆 (2024): Awarded Best Presentation at the National Scientific Paper Competition 1.0 (2024) organized by IT Telkom Purwokerto.