CURRICULUM VITAE

PERSONAL INFORMATION

Name	: Yolanda Stevany Nababan
Place, Date of Birth	: Petapahan Jaya, September 9, 2002
Gender	: Female
Marital Status	: Unmarried
Citizenship	: Indonesia
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I am a 2025 graduate of Diponegoro University's Bachelor of Geodetic Engineering program with interests and experience in surveying and mapping, Geographic Information System (GIS), and Remote Sensing. I developed this interest through various courses such as Remote Sensing, Geographic Information System (GIS), Disaster Management, Photogrammetry, Land Measuring Science, and Engineering Surveying, which strengthened my understanding and skills in these fields. While doing my Practical Work at PT Multi Areal Planing Indonesia (MAPID), I worked on research regarding the mapping and comparative analysis of the Urban Heat Island (UHI) phenomenon in Makassar City and its relationship with changes in Building Index values. This project expanded my skills in operating GIS and remote sensing software such as Google Earth Engine, QGIS, and ArcGIS. In addition, my final project research on the estimation of geothermal potential in Mount Ungaran made me familiar with using Google Colab, SAGA, RockWorks, and supporting software such as Microsoft Office. Non-academic experiences through faculty-level organizations and the role of liaison officer (LO) also shaped my public speaking, management, teamwork, and high motivation to explore new environments.

EDUCATION

S1 – Geodetic Engineering Diponegoro University – Semarang City (2021-2025)
  GPA   : 3.70 of 4.00
  Final Project : "Geothermal Energy Estimation Analysis Using Landsat 9 Imagery for 2022-2024 (Case Study: Mount Ungaran)"

Senior High School Santo Thomas 2 Medan – Kota Medan (2018-2021)

PROFESSIONAL CAREER EXPERIENCE

- **PT Multi Areal Planing Indonesia (MAPID)** – Bandung (July 2024-September 2024)
  GIS Analyst Intern
  - Successfully performed data cleansing of more than 80,000 entries using Excel and QGIS resulting in a clean, quality dataset ready to be used for further analysis.
  - Completed an individual research project that resulted in a publication titled "Evolution of UHI Intensity in Makassar City: Comparative Analysis of NDBI in 2018 and 2023 Using Landsat 8".
  - Collaborated in a team project to develop a thematic map displaying the distribution of key commodities in Indonesia.
  - Contributed to a group project that mapped socioeconomic status data at the district/city level in Indonesia to support understanding of regional development patterns.

- **Ministry of Agrarian Affairs and Spatial**   (January 2024-February 2024)
  Planning/National Land Agency (ATR/BPN) of Sragen
  Regency – Sragen
  Internship in Surveying and Mapping
  - Carry out survey, measurement, and mapping activities of land parcels using GNSS RTK technology at least 3 times a week, so as to gain direct experience in intensive field work.
  - Develop skills in making drawings of land parcels using AutoCAD so as to support precise land documentation.

- **Ministry of Agrarian Affairs and Spatial**   (July 2022)
  Planning/National Land Agency (ATR/BPN) of Tegal
  City – Tegal
  Internship in Surveying and Mapping
  - Successfully entered at least 100 measurement letter data into the official ATR/BPN website to support the digitization and electronic mail process.

PUBLICATION

- Evolution of UHI Intensity in Makassar City: Comparative Analysis of NDBI in 2018 and 2023 Using Landsat 8 published by GEO MAPID
- Geothermal Potential in Kutai Kartanegara Regency: PLTP Location Recommendation for Green Energy Implementation in the Capital City of the Archipelago published by GEO MAPID

TECHNICAL COMPETENCE

- GIS data processing using GIS software such as Google Earth Engine (GEE), QGIS, ArcGIS, SNAP.
- Aerial photo mapping using a DJI Phantom 4 drone.

AWARDS AND ACHIEVEMENTS

- **1st place in MAPID Project Competition 2024 from PT MAPID**
- **Top 30 teams in MAPID WebGIS Competition 2025 from PT MAPID with the theme "Land Transformation for a Sustainable Future"**
- **Silver Medal in Physics Olympiad Se-Yayasan Don Bosco Medan 2018**

CAPABILITIES

- **Surveying and Mapping Measuring Instruments**
  - Total Station
  - GPS Geodetic
  - Waterpass
- **Surveying and Mapping Applications**
  - Google Earth Engine (GEE)
  - QGIS
  - Google Colab
  - ArcMAP
  - ArcGIS Pro
  - ArcGIS Online
  - Autocad Map
  - Civil 3D
  - Agisoft Metashape
  - ENVI

- Microsoft Office and Google Office
- Editing Software (CANVA, CapCut, Picsart)
- **Language**
  - Indonesian (fluent)
  - English (intermediate)

ORGANIZATIONAL AND COMMITTEE EXPERIENCE

- **Head of the Research Development Division of Research and Technology of the Student Executive Board of the Faculty of Engineering (BEM FT) Diponegoro University** (January 2023-December 2023)
  - Responsible for the planning, implementation, and evaluation of qualitative and quantitative achievements of the division's three main programs including Opportunity for Engineer Go Abroad (OFEGA), Grand Opening Research (GORe), and English Community of Engineering Students (ELITE Class).
  - Conduct Division meetings to create a good and harmonious family atmosphere at least once a month throughout the term of office.
- **Junior Staff of the Research Development Division of the Research and Technology Division of the Diponegoro University Faculty of Engineering Student Executive Board (BEM FT)** (January 2022-December 2022)
  - Handling the ELITE Class work program which was carried out five times during the management period, consisting of three internal meetings with a minimum of 20 participants per meeting and two external activities attended by at least 50 Faculty of Engineering students.
  - Managing the Competition Info work program with output in the form of posts and database of competition information uploaded regularly every month through the official BEM FT account.
- **Liaison Officer dalam "Asean Innovative Science Environmental and Entrepreneur Fair"** (February 2023)
  - Successfully liaised between at least 10 participating teams and the committee to ensure smooth communication and coordination in supporting the success of the ASEAN Innovative Science, Environmental, and Entrepreneur Fair competition organized by the Indonesian Young Scientist Association (IYSA).

CERTIFICATION AND TRAINING

- Occupational Health and Safety (OHS) Training by Occupational Safety and Health Forum 2024, Faculty of Public Health, Diponegoro University (2024)
- QGIS Software Training by Geodetic Engineering Student Association, Faculty of Engineering, Diponegoro University (2022)