

# ARMY PUTERA PARTA

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## EXPERIENCE

### Purwadhika Digital School – Jakarta, Indonesia

Juni 2024 – Present

#### Data Scientist Program

- Generate insights from various data types (tabular, textual, geospatial, point cloud, imagery) across diverse domains.
- Develop analytical techniques (descriptive and inferential statistic) and automated routines for tabular and spatial analysis to support effective management in the given field.
- Provide assistance and guidance to relevant stakeholders on best practices for data analysis and visualization.

### PT. Sanimardani Resources (PT Sumalindo Lestari Jaya IV) – Jakarta, Indonesia

April 2022 – April 2024

#### Staff Planning

- Support cruising team to meet the land clearing standard of logging or forest utilization in PT. Sumalindo Lestari Jaya IV.
- Performed comprehensive spatial analysis of felling planned and actual land clearing (PWH) by producing maps layout and creating Web-GIS.
- Provides regular balance sheet report with calculation dan recapitulation of the amount of PNPB revenue (PSDH and DR) to related department.
- Reconciling PNPB payments to ensure the related department reflect the correct transaction.
- Maintain regular contact with the government relating to current obligation and payment procedure.

### World Resources Institute – Jakarta, Indonesia

October 2021 – December 2021

#### Data Analyst and Quality Control

- Processed forest inventory data into web-map and SQL format for leaflet-based Web-GIS development.
- Analyse of carbon sequestration of each stand species based on tree allometric calculations.
- Provides GIS analysis of deforestation based on UMD (University of Maryland) and RADD (Radar for Detecting Deforestation) Tree Cover Loss data. Resulting data and maps can be viewed on Adopsi Pohon Riau website.

## RELEVANT EXPERIENCE

### Research Assistant, University of Glasgow – Bandung, Indonesia

July 2021 – October 2021

#### Research Assistant

- Conducted preliminary reconnaissance research as part of a Global Challenges Research Fund grant by interviewing a variety of stakeholders and community members regarding birdlife trade within Indonesia.

### FORRU (Forest Restoration Research Unit), Chiang Mai University – Chiang Mai, Thailand

August 2019

#### Research Intern

- Carried out post planting monitoring of forest restoration sites as part of site preparation prior to tree monitoring and participated in an environmental education program

## EDUCATION

### Institut Teknologi Bandung – Bandung, Indonesia

October 2020

Bachelor of Science, Forestry Engineering; Cumulative GPA: 3.11/4.0

## ADDITIONAL

### Projects:

- **Travel Insurance Claim Prediction Classification** – Identify distinct patterns between policyholders who file claims and those who do not.
- **Supermarket Customer RFM (Recency, Frequency, Monetary) Analysis** – Conduct customer segmentation and assess the effectiveness of promotions using the RFM Analysis method.
- **Heavy Equipment Spare Part Warehouse Inventory System** – Create a comprehensive CRUD system for managing inventory and operations in a warehouse specializing in heavy equipment spare parts.

- **Forest Concession Monitoring and Management Using *Web-GIS*** – Built a user-friendly web-GIS application designed for geospatial data visualization, employing the *GeoJSON* format to encode and represent geographic boundary datasets.

**Technical:** Python, R, Apache Spark, SQL, PostgreSQL, Tableau, Power BI, Microsoft Office, ArcGIS, QGIS, Agisoft, Leaflet

**Languages:** Fluent in Bahasa Indonesia; Proficiency in English