

# 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