

# DIMAS PERCEKA

GIS | REMOTE SENSING | SUSTAINABILITY

<https://portfolio-dimas-omega.vercel.app/>

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## PROFILE SUMMARY

GIS and Remote Sensing specialist with 8+ years of experience in spatial analysis, geoprocessing, and GIS software development. Experienced in managing databases, analyzing geospatial data, and providing technical support for GIS applications. Strong expertise in project management, database management, and programming languages like Python, SQL, and PostgreSQL. Passionate about leveraging GIS technology for business insights and decision-making.

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## REFERENCE

- **Haryadi Santoso [Sr Head of Geospatial Climate and IoT at Koltiva]**  
Email : didi.adisapuro@koltiva.com
  - **Benita Nathania [Senior Researcher Lead at WRI]**  
Email : benita.nathania@wri.org
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## EDUCATION

<b>Geomatics Engineering [Master of Engineering]</b> Universitas Gadjah Mada, Yogyakarta Indonesia Master Thesis Title : Development of Spatial Web Based Agricultural Irrigation Management Information System	2018 – 2021
<b>Soil Science [Bachelor Degree]</b> Universitas Gadjah Mada, Yogyakarta Indonesia Bachelor Thesis : Labile and Stable Fraction of Carbon in Different Landuse	2012 – 2012

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## WORK EXPERIENCE

<b>Remote Sensing and Climate Lead</b> <b>Koltiva AG, Jakarta Indonesia</b>	January, 2022 – Now
<ul style="list-style-type: none"><li>• Developed and managed remote sensing projects for environmental and FTTH monitoring.</li><li>• Develop and manage geospatial and remote sensing projects for deforestation-free supply chain monitoring and climate impact assessment.</li><li>• Lead integration of geospatial data (including LiDAR, satellite imagery, and land-use datasets) with sustainability models to enhance supply chain transparency.</li><li>• Manage a multi-functional team of GIS developers, environmental scientists, and data engineers to design digital platforms that track deforestation risk commodities (e.g., palm oil, cocoa, soy).</li><li>• Work with procurement and environment teams to enhance geospatial dashboards, risk mapping, and traceability tools for commodities sourcing.</li></ul>	

<b>GIS Specialist [By Project]</b>	January, 2016 – July, 2016
<b>Agricola Nusantara Baramineral</b>	
<ul style="list-style-type: none"> <li>• Project for Technical Feasibility Study on Industrial Scale Vaname Shrimp Farming in Lingga Islands, Riau</li> <li>• Manage geospatial database and develop maps and aerial photogrammetry</li> <li>• Perform data capture and analysis for GIS product</li> <li>• Support in designing and creating the geospatial database</li> <li>• Oversee data flow, management, and distribution activities to support GIS</li> </ul>	
<b>GIS Developer</b>	March, 2019– January, 2021
<b>World Resources Institute, Jakarta Indonesia</b>	
<ul style="list-style-type: none"> <li>• Work directly with Product Owners to translate business needs to technical requirements and specifications</li> <li>• Work closely with stakeholders and provide the deliverables with high quality of standards</li> <li>• Develop, test, and deploy automated prioritization script</li> <li>• Participates in the design, development and implementation of complex applications</li> <li>• As needed, coordinated with existing team of sustainable commodities researchers</li> </ul>	
<b>GIS Developer</b>	March, 2017– January, 2019
<b>Center of Agroecology and Land Resources, Yogyakarta</b>	
<ul style="list-style-type: none"> <li>• Project for Connectivity of Protected Areas and Peat Ecosystem Cultivation in Central Kalimantan</li> <li>• Perform data capture and analysis for GIS product</li> <li>• Support in designing and creating the geospatial database</li> <li>• Perform data capture and analysis for GIS product</li> <li>• Project for Inventarisation of Peat Ecosystem Cultivation in Lamandau, Central Kalimantan</li> <li>• Participates in the design, development and implementation of complex applications</li> <li>• As needed, coordinated with existing team of sustainable commodities researchers</li> </ul>	
<b>GIS Specialist [By Project]</b>	July, 2016 – February, 2017
<b>Waindo Specterra</b>	
<ul style="list-style-type: none"> <li>• Survey of chemical, biological and physical characteristics of soil for Land System in East and South Kalimantan</li> <li>• Perform data capture and analysis for GIS product</li> <li>• Support in designing and creating the geospatial database</li> </ul>	
<b>GIS Consultant</b>	March, 2019– January, 2021
<b>CV Amanah Rimba, Indonesia</b>	
<ul style="list-style-type: none"> <li>• Project for Technical Feasibility Study</li> <li>• Manage geospatial database and develop maps and aerial photogrammetry</li> <li>• Perform data capture and analysis for GIS product</li> <li>• Support in designing and creating the geospatial database</li> <li>• Oversee data flow, management, and distribution activities to support GIS</li> </ul>	

## CERTIFICATE

- **sUAS Remote Pilot** July 2024  
Direktorat Kelaikudaraan dan Pengoperasian Pesawat Udara
  - **National UAV Photogrammetry of 3D Model Reconstruction** March, 2020 – June, 2020  
Geomatics Engineering, National Cheng Kung University, Taiwan
  - **Interactivity with Javascript and Python** January, 2020  
Michigan University, United States
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## TECHNICAL SKILL

- **GIS Software**  
ArcGIS Pro | ArcGIS City Engine | Quantum GIS
  - **Remote Sensing Software**  
ENVI | ENVI LiDAR | IDRISI | ERDAS | SAGA GIS | Global Mapper
  - **Cloud Processing**  
Google Earth Engine | Kaggle | Google Colab
  - **CAD Software**  
Autocad | Autocad Map | Autodesk Revit
  - **3D Modelling Software**  
Agisoft Metashape
  - **Programming Language**  
Python | Javascript | HTML | CSS | PHP
  - **Database Management System**  
PostgreSQL | MySQL | MongoDB
  - **FTTH Technology Knowledge**  
Design, planning, and deployment, including GIS-based fiber route mapping, OSP (Outside Plant) infrastructure management, and troubleshooting fiber network issues
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