

## **RIDHO FATURAHMAN**

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### **WORK EXPERIENCE**

#### **PT. GEOINDO GIRI JAYA**

*DRAFTER*

*MAY 2019 - MAY 2020*

- Prepared Bill of Quantities (BoQ) for road construction activities including earthworks, subgrade, pavement, and drainage structures.
- Conducted quantity take-offs from engineering drawings and site measurements for accurate cost estimation and budgeting.
- Assisted in cost control and monitoring, ensuring expenditures aligned with project budgets.
- Supported procurement planning by providing material quantity forecasts and usage tracking.
- Collaborated with engineers and site supervisors to verify actual work quantities and support progress claims.
- Participated in the preparation of monthly reports and documentation for project management and client review.
- Ensured compliance with company standards and project specifications in all cost-related processes.

#### **PT. LAPI ITB**

*PAVEMENT & HYDROLOGY ENGINEER*

*AUG 2020 – MAR 2021*

- Assisted in the design and analysis of drainage systems, including culverts, roadside ditches, and stormwater infrastructure.
- Conducted hydrological and hydraulic calculations to support effective water flow management and flood mitigation.
- Supported the design of flexible pavement structures, including layer thickness design based on traffic loads and subgrade conditions.
- Prepared technical drawings, cross-sections, and reports using relevant engineering software and tools.
- Participated in site inspections and data collection to verify field conditions and support design accuracy.
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- Coordinated with multidisciplinary teams including structural, geotechnical, and construction engineers to ensure integration and feasibility of designs.
- Ensured compliance with national design standards and environmental requirements throughout the planning and design process.

#### **UPTD I PENGELOLAAN JALAN DAN JEMBATAN**

*SENIOR DRAFTER*

*MAY 2021 – DEC 2022*

- Prepared detailed technical drawings and construction plans for various road and bridge maintenance and development projects under the regional Bina Marga office.
- Interpreted design data, survey results, and engineering inputs into accurate 2D and 3D drawings using AutoCAD and other drafting tools.
- Collaborated with engineers and field teams to update and revise drawings based on field conditions and design changes.
- Ensured all drawings complied with Indonesian public works standards and project-specific technical specifications.

- Managed documentation, drawing archives, and coordinated drawing submissions for project approvals and tender processes.
- Supported quantity estimation and material take-offs based on finalized drawings.

## **PT BUKIT MAKMUR MANDIRI UTAMA (BUMA)**

### ***PROJECT ENGINEERING***

*JAN 2023 - APR 2025*

- Oversaw the upgrading of a 39-kilometer hauling road, ensuring design compliance and construction quality in line with heavy-duty mining operations.
- Coordinated daily project execution, including earthworks, drainage improvements, and pavement layer installation.
- Assisted in planning and scheduling project.
- Worked closely with surveyors and drafters to verify alignments, cross-sections, and quantity take-offs.
- Monitored contractor performance, conducted quality control checks, and ensured adherence to safety standards and operational deadlines.
- Collaborated with mining and operations teams to minimize haulage disruption during construction activities.
- Reported project progress, risks, and milestones to project managers and upper management.

## **EDUCATION**

**Universitas Jenderal Achmad Yani**

*JAN 2014 – OCT 2018*

*Bachelor of Engineering, Civil Engineering*

- Course related: I am a Civil Engineer with a strong focus on the planning and design of highways and mining roads. My expertise includes the use of advanced road design and GIS-based mapping software such as AutoCAD Civil 3D, ArcGIS, and other related tools to develop accurate and efficient infrastructure plans. I have hands-on experience in topographic data processing, alignment design, volume calculation, and terrain modeling for road construction projects.

In addition to my specialization in transportation engineering, I also have a solid background in structural design of buildings, covering both analysis and detailing in accordance with relevant codes and standards. Furthermore, I have developed a strong interest and capability in hydrology and hydraulics engineering, which allows me to contribute to water-related infrastructure planning, such as drainage systems, flood control, and watershed management.

With this multidisciplinary foundation, I am able to approach civil engineering projects with a comprehensive perspective, ensuring technical accuracy, safety, and sustainability.

## **LEADERSHIP EXPERIENCE**

**RAKAPALA (PECINTA ALAM)**

**MEMBER**

*JAN 2014 - FEB 2017*

- Participated in mountain hiking, jungle trekking, and environmental exploration activities to promote outdoor awareness and physical endurance.
- Engaged in conservation efforts, including tree planting, river clean-ups, and environmental education campaigns.
- Developed strong skills in teamwork, survival, navigation, and risk management through field expeditions.

- Promoted environmental responsibility and sustainability among peers and local communities.
- Assisted in organizing nature-based events and eco-education programs to raise awareness of biodiversity and environmental issues.

## **BADAK'S 29 (Dapur Kreasi Seni)**

*Vice President*

*JAN 2014 - FEB 2017*

- Assisted in leading the organization's programs focused on preserving and promoting Sundanese traditional arts, including music, dance, and performance.
- Helped coordinate and manage community outreach programs, such as cultural workshops, social service events, and charity activities.
- Supported organizational planning, budgeting, and team coordination as the Vice Chairperson.
- Facilitated collaboration with local communities and cultural institutions to strengthen cultural awareness and engagement.
- Contributed to organizing cultural events that highlighted local identity and traditional values.
- Encouraged youth participation in arts and social volunteerism, promoting cultural pride and community responsibility.

## **ADDITIONAL**

- **Technical/Hard Skill:** AutoCAD Civil 3D, ArcGIS, SAP2000 / ETABS, Microsoft Project, Perencanaan jalan, drainase, struktur, Microsoft Office, Supported organizational planning, budgeting, and team coordination,
- **Soft Skill:** Problem Solving, Teamwork and Collaboration, Leadership, Time Management, Work Ethic, Initiative, critical Thinking, Safety Work.
- **Languages:** I am proficient in English and comfortable communicating in professional and technical contexts.
- **Certifications & Training:**
  - Pengawas Operasional Pertama (POP). still valid -14 April 2028
  - Surat Keterangan Keterampilan kelas 1 Autocad Civil 3D
  - Pelahan Tenaga Ahli Konstruksi, BINA MARGA 29-30 Maret 2022
  - Peran K3 dimasa Pandemi, 26 Juli 2020 PT. WINA KARYA MULIA)
  - Seminar Teknik Sumber Daya Air (2016 dan 2017) SDA Kota Bandung