

FIKRY MUHAMMAD ZULFIKAR

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PERSONAL PROFILE

A passionate Civil and Environmental Engineering graduate with hands-on experience in project management, site supervision, and technical design. Adept at utilizing engineering tools to craft innovative solutions, while excelling in team coordination, QA/QC implementation, and effective stakeholder communication. Driven by a strong commitment to developing functional and sustainable infrastructure, I am eager to bring fresh ideas, solve complex engineering challenges, and make meaningful contributions to the construction industry through innovative and sustainable solutions.

WORK EXPERIENCE

LUGNA STUDIO

Designer & Estimator Project

Jun - Des 2024

- Created 2D and 3D working drawings for residential buildings using *AutoCAD*, *SketchUp*, and *Enscape*.
- Calculated work volume recap to accurately determine material and project resource requirements.
- Designed aesthetic and functional interior concepts, aligning with clients' needs and lifestyles.
- Estimated residential project costs in detail, ensuring effective budget planning and compliance with technical specifications.

PT PP (PERSERO) TBK

Site Engineer Intern – Cipamingkis River Groundsill Development Project, Bogor Regency

Jun - Aug 2023

- Monitored and daily progresss of the Cipamingkis River Construction, tracking more than 20 daily project updates.
- Managed project administration, including incoming material records and weather reports, contributing to informed decision making, with more than 50 material entries.
- Modeled the Cipamingkis River Groundsill design from 2D to 3D using *SkethUp*, producing 3 visualizations to aid technical interpretaion fot the project team.
- Conduct quality control, including budget management, schedule monitoring (S-Curve), and reporting.
- Coordinated with site teams and project managers to addreas on site issues and maintain workflow efficiency.

ESPS - ENGINEERING STUDENT PROJECT SERVICE

Estimator and BIM Modeller

Mar - Jun 2023

- Designing box culvert with accurate reinforcement details using *Revit* software for toll road drainage system, resulting in 2 box culvert designs in terms of material and structure usage.
- Prepared budget planning and cost control strategis for housing project in Bogor Regency, ensuring financial efficiency.
- Calculating the volume of work based on working drawings for structural, architectural, and mechanical work, resulting in more than 10 volumes of work used as the basis for construction planning.
- Collaborated with project teams to integrated design solution and cost estimations into project timelines.

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING IPB UNIVERSITY

Assistant Lecturer

Jan - Jun 2023

- Assisting lecturers in explaining designs using *SketchUp* software, providing more than 50 students with a deeper understanding of visualization and design techniques.
- Guiding students in compiling practical reports, providing direction on the correct format and how to present experimental results clearly and systematically.
- Assist in practicum evaluation by assessing students' practicum reports, and providing constructive feedback to improve their understanding and quality of reports.

LEVNER CONSULTING

Surveyor Consulting Services for Compiling DLH Community Satisfaction Survey

May - June 2022

- Surveying to collect data through questionnaires to the people of Bogor City, collecting more than 200 questionnaires for the preparation of the 2022 DLH Community Satisfaction Survey.
- Inputting data based on survey results that have been conducted, processing more than 200 survey data results.

EDUCATIONAL BACKGROUND

IPB UNIVERSITY

Bachelor of Civil and Environmental Engineering - GPA 3.47/4.00

2020 – 2024

ORGANIZATION HISTORY

CIVIL AND ENVIRONMENTAL ENGINEERING STUDENT ASSOCIATION (HIMATESIL) IPB UNIVERSITY

Staff - Supervisory Board

Nov 2022 – Nov 2023

- Supervise the implementation of more than 10 activities held by Himatesil, ensuring that activities run according to the stated objectives.
- Conducting evaluations of the management performance of Himatesil, including monitoring the implementation of tasks for more than 5 major activities.
- Provide recommendations for improvements and solutions to improve the quality of implementation of organizational activities.

INDONESIAN CIVIL AND ENVIRONMENTAL FESTIVAL (ICEF)

Staff – Public Relations

Jun 2022 – Sept 2022

- Designing an effective communication strategy to promote the event by increasing the number of participants by more than 500 people.
- Collaborate with 5 major sponsors to ensure they get the most out of their support.
- Arrange the attendance of speakers and guests of honor at the event.

ORGANIZATIONAL CAPACITY STRENGTHENING PROGRAM FOR STUDENT ORGANIZATIONS (PPK ORMAWA)

Staff – PPK ORMWA BEM FATETA Implementation Team

Mar 2022 – Dec 2022

- Organizing a development program involving more than 500 residents of Cibitung Tengah Village.
- Designed and implemented sprinkler irrigation system for more than 5 hectares of agricultural land.
- Implementing projects that successfully improve the quality of life of the community through the development of better facilities and infrastructure.

FATETA VILLAGE DEVELOPMENT

Head – Agriculture Subdivision

Feb 2022 – Oct 2022

- Conducting an agricultural potential survey involving more than 30 farmers in the village area.
- Implementing 2 sustainable farming systems that increase agricultural yields in the village.
- Providing water resource management training to more than 50 local farmers.

STUDENT EXECUTIVE BOARD OF THE FACULTY OF AGRICULTURAL TECHNOLOGY IPB UNIVERSITY

Staff – Department of Social and Environmental Affairs

Nov 2021 – Nov 2022

- Design and implement 4 social programs for the surrounding community.
- Coordinating social activities with more than 200 participants from the surrounding community.
- Collaborate with other organizations to expand social impact in local communities.

STUDENT ORIENTATION PROGRAM FOR NEW STUDENT AT IPB UNIVERSITY

Staff – Logistics and Transportation

Apr 2021 – Aug 2021

- Managed logistics and transportation for over 1000 new students during induction activities.
- Develop a transportation plan that ensures smooth travel for all event participants.
- Coordinate with various parties to provide efficient and timely transportation during the event.

SKILLS

- **Technical Skills:** Microsoft Office (Word, Excel, Powerpoint), AutoCAD, SketchUp, Enscape, Revit, Tekla, SAP2000, Structural Planning and Design, Construction Project Management, Surveying and Measurement, Drainage System Planning and Design.
- **Personal Skills:** Discipline, Responsibility, Teamwork/Individual, Problem Solving, Detail Oriented, Leadership.
- **Language Ability:** Fluent in Indonesian, Intermediate in English.