



MUHAMMAD IQBAL ARDIANSYAH

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SUMMARY

Civil Engineering student at Institut Teknologi Sepuluh Nopember with a strong interest in project management, construction planning, and water resources engineering. Experienced in academic projects, field activities, organizational involvement, and internship programs related to infrastructure and hydraulic engineering. Proficient in technical software such as AutoCAD, HEC-RAS, SWMM, EPANET, ArcGIS, SketchUp, Delft3D, Lumion, and Microsoft Excel. Known as a disciplined, adaptable, and collaborative individual with strong problem-solving and teamwork skills.

WORK EXPERIENCE

Field Surveyor - Irrigation Survey Project

Madura, East Java, Indonesia

May 2025 - Aug 2025

- Participated in field survey activities in several irrigation areas.
- Collected primary field data related to irrigation network conditions and water requirements.
- Collaborated with technical and academic teams to analyze survey findings and support engineering recommendations.

Field Engineering Support - Emergency Handling of Gandong Kerik Dam

Magetan, East Java, Indonesia

Apr 2023 - Jun 2023

- Supported field identification of damages and flood mitigation efforts.
- Collaborated in technical analysis and recommendation development for rehabilitation and redesign

Project Support - Musrenbang Surabaya / DSDABM

Surabaya, East Java, Indonesia

Jan 2023

- Participated in development planning activities related to drainage and urban infrastructure.
- Gained exposure to coordination with local government stakeholders.

Environmental Survey Assistant - Local Government / DLH

Surabaya, East Java, Indonesia

May 2023

- Conducted field inspections of wells in Surabaya to assess their physical condition and functionality.
- Measured well diameters and collected field data to support environmental and infrastructure assessment.
- Assisted in documenting survey results for further evaluation and reporting.

Building Materials Price Survey Assistant

Madiun, East Java, Indonesia

Jan 2024

- Visited several building material stores in Madiun to collect unit price data for construction materials.
- Compared prices across different stores to support cost estimation and budgeting needs.
- Recorded and organized pricing data for further analysis and project reference.

Drainage Survey Assistant

Surabaya, East Java, Indonesia

Jul 2023

- Conducted field surveys of drainage systems in Surabaya to assess their physical condition and functionality.
- Observed drainage channel conditions and collected field data to support infrastructure evaluation.
- Assisted in documenting survey findings for further analysis and reporting.

Internship PT. Brantas Abipraya - Bener Dam Project

Purworejo, Central Java, Indonesia

Jul 2025 - Nov 2025

- Joined an internship program in a national strategic construction project.
- Assisted in construction supervision activities and gained practical understanding of field implementation.
- Learned about structural work monitoring, quality control, and project execution in large-scale dam construction.

EDUCATION

Bachelor of Civil Infrastructure Engineering

Institut Teknologi Sepuluh Nopember (ITS)

2022 - Present

Senior High School

SMAN 3 Taruna Angkasa

2019 - 2022

Junior High School

SMPN 3 Krian

2015 - 2018

Elementary School

SDN 3 Krian

2009 - 2015

ORGANIZATIONAL EXPERIENCE

Head of Internal Affairs - HMDS

Surabaya, East Java, Indonesia

Mar 2024 - Dec 2024

- Supervised internal organizational programs and supported student activities, including graduation celebration, election-related activities, and bonding events.

Staff - Student Executive Board, Faculty of Vocational Studies (BEM FV ITS)

Surabaya, East Java, Indonesia

Mar 2024 - Dec 2024

- Served in the student welfare division and became PIC for a postgraduate webinar program.

Division Head, Security & License - D'Village 13th Edition

Surabaya, East Java, Indonesia

Mar 2024 - Nov 2024

- Managed event security coordination, site survey support, and external licensing needs.

Head of Security & Protection - Gerigi 2024

Surabaya, East Java, Indonesia

May 2025 - Aug 2025

- Helped maintain event safety and handled external permits for new student orientation activities.

Staff Security & License - Gerigi 2023

Surabaya, East Java, Indonesia

Aug 2023

- Helped maintain event safety and handled external permits for new student orientation activities.

ACHIEVEMENTS

1st Place - Dies Natalis ITS

Surabaya, East Java, Indonesia

2023

- Represented the Faculty of Vocational Studies and won first place.

1st Place - Dies Natalis ITS

Surabaya, East Java, Indonesia

2022

- Represented the Faculty of Vocational Studies and won first place.

ADDITIONAL INFORMATION

- **Technical Skills:** AutoCAD, HEC-RAS, SWMM, EPANET, ArcGIS, SketchUp, Delft3D, Lumion, Ocean Data View, Microsoft Excel.
- **Languages:** Indonesian, English.
- **Awards/Activities:** 1st Place, Dies Natalis ITS (2023); Participant, Dies Natalis ITS (2022); 1st Place, Surabaya City Volleyball Competition (2017); Active in HMDS, BEM Faculty of Vocational Studies, Gerigi, D'Village, and other campus organizations.