

IDHAM AZIS MUHAIMIN



Jakarta | [LinkedIn](#) | [Portofolio](#) | idhamaziz30@mail.ugm.ac.id | +62 851-9007-4073

A fresh graduate with a bachelor's degree in Mechanical Engineering from Gadjah Mada University, with experience in the PT. KPI industry, including RU VI and the New Grassroots Refinery (NGRR) Tuban. Proficient in AutoCAD Mechanical, Autodesk Inventor, and SolidWorks, gained through intensive training at Neosiatc Bootcamp, with hands-on experience in 3D modeling, technical drawing, and mechanical design. I have also completed the Welding Inspector training conducted by WIRC-CMPFA FTUI. Eager to learn, open-minded, and passionate about collaboration, knowledge-sharing, and contributing to team success.

EDUCATION

UNIVERSITAS GADJAH MADA

Aug 2019 – Jan 2025

Mechanical Engineering | Concentration: Energy Convention

Welding Inspector Training | WIRC-CMPFA – FTUI

April – May 2025

Front End Developer Bootcamp | Dibimbing x Dicoding

April – Oct 2024

INTERNSHIP EXPERIENCE

PT PERTAMINA RU VI BALONGAN

Mar – April 2022

Division QA/QC

- Observed heat exchanger upgrades during capacity increase (125 → 150 MBSD), focusing on mechanical changes, including inlet enlargement (16" to 18").
- Assisted QA/QC vendor team in applying inspection methods aligned with ASME/AWS standards.
- Analyzed technical documents and compiled reports on inspection progress and compliance.
- Identified appropriate inspection types for various heat exchanger components.

NEW GRASS ROOTS REFINERY (NGRR) TUBAN PROJECT

May – Dec 2022

Technician Assistant

- Reviewed and verified whether the codes and standards listed by PT PRPP align with the Annex of the Ministry of Energy and Mineral Resources Regulation.
- Analyzed and studied standard codes to ensure compliance with design validation requirements.

ORGANIZATIONAL EXPERIENCE

MECHANICAL ENGINEERING STUDENT ASSOCIATION

Oct 2019 – Dec 2020

Public Relations Division for Alumni

- Acted as the liaison between Mechanical Engineering alumni of Gadjah Mada University and program stakeholders to organize major events, including grand reunions, faculty graduation ceremonies, and alumni discussions.
- Fostered strong connections between alumni and active students by ensuring alumni participation in student-organized events.

VOLUNTEER EXPERIENCE

Electric Motor and Control System

Jan – June 2023

Laboratory Assistant

- Developed practical modules and materials on single-phase electric motor start-stop systems and simulated the impact of PID controllers using MATLAB Simulink.
- Conducted demonstrations on the proper use of equipment and materials for laboratory sessions.
- Reviewed and assessed laboratory reports submitted by participants.

Mechanical Design Competition (MEDCOM) 2021

June – Nov 2021

Sponsorship Division

- Coordinated a national design competition by managing university outreach, securing media partnerships, and drafting corporate invitations for event collaboration.

Engine Tune Up

Jun – Jul 2021

Technical Division

- Organized a free motorcycle service event open to the public.
- checked and changed the oil as well as cleaning the air filter or the motorcycles being serviced.

TRAINING & COURSE

Welding Inspector | Training by WIRC-CMPFA – FTUI

April – May 2025

Completed training in welding inspection, covering welding processes (SMAW, GMAW, GTAW), defect identification, NDT methods (VT, UT, MT, PT), and relevant standards (ASME, AWS). Gained hands-on experience in inspection techniques, documentation, and field-ready testing procedures.

Front End Developer | Bootcamp by Dibimbing & Dicoding

April – Oct 2024 | August – Nov 2024

Studied the fundamentals of (OOP) using JavaScript within React and Tailwind applications. Additionally, and learned about web structure and framework development, as well as building a web project from scratch through to deployment.

SKILL CERTIFICATION

WELDING INSPECTOR (BNSP)

valid thru:

TOEFL ITP: 547

valid thru: 14 July, 2026

MECHANICAL SKILL SET

Engineering & Design Tools: P&ID, Autodesk Inventor, AutoCAD

Simulation & Analysis: MATLAB, Abaqus, Ansys

Manufacturing Tools: CNC, SMAW Welding, GMAW Welding and FCAW welding

Additional Skill: Microsoft Office, CorelDraw