

AHZA DURRANI MURSALIN

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SUMMARY

Chemical Engineering graduate with a 3.69/4.00 GPA and hands-on experience in laboratory analysis, FTIR and UV-Vis testing, process data analysis, and technical reporting. Familiar with laboratory testing, analytical instruments, technical data processing, and chemical process development through academic and industrial experiences. Active in collaborative projects and university organizations, with an interest in developing skills in communication, coordination, and problem-solving. Detail-oriented and willing to learn, with an interest in laboratory analysis, quality control, research and development, and technical roles within the chemical industry.

EDUCATION

Universitas Ahmad Dahlan

Bachelor of Chemical Engineering | Sept 2022 – August 2026

- GPA: 3.69/4.00
- Relevant Coursework: Analytical Chemistry, Instrumental Analysis, Organic Chemistry, Physical Chemistry, Applied Chemistry Laboratory, Industrial Microbiology
- Research Project: Fabrication of Cellulose Acetate Propionate (CAP) Membranes Blended with Carbon Nanotubes (CNT) for Naphthol-Dye Textile Wastewater Treatment
- Thesis: Preliminary Plant Design of Methyl Benzoate from Benzoic Acid and Methanol through the Fischer Esterification Process with a Capacity of 16,000 Tons/Year

INTERNSHIP & PROFESSIONAL EXPERIENCES

Junior Researcher

Chemical Engineering Car UAD | 2023 - 2025

- Conducted experiments to develop a chemical-powered prototype car and improve its performance.
- Tested and evaluated experimental parameters to support prototype development.
- Designed posters and visual materials for project presentations and competitions.

Process Engineer Intern

PPSDM Migas Cepu | August 2025

- Processed and analyzed stripper operating data during an industrial internship to identify operating-condition trends and support optimization recommendations.
- Performed engineering calculations to determine optimal stripper operating parameters.
- Compiled analytical results and technical data into structured reports.

Analytical Chemist

Institut Teknologi Bandung | August 2021 - August 2022

- Completed and documented 350+ material sample analyses within 10 months using Kongo, DHC, titration, gravimetric, and FTIR methods to support formulation evaluation and research decisions.

Analytical Chemist

BINALAB PT Widya Cipta Buana | Jan 2020 - March 2020

- Performed laboratory testing and analysis of gravimetric, chloride, temperature, and Total Dissolved Solids (TDS) parameters.
- Recorded, organized, and compiled analytical results into structured technical reports and data tables, ensuring accurate documentation and consistent handling of analytical data.

ACHIEVEMENTS & AWARDS

- ABDIDAYA PPKO (Program Penguatan Kapasitas Organisasi Kemahasiswaan)2024
- Project: Smart Fisheries Village Mina Padi: Smart Collaboration as an Adaptation Strategy for Enhancing the Coastal Economy in Gadingsari
 - 2nd Place The Most Complete and Outstanding Output
 - 3rd Place of Student Organization with the Strongest Sustainability Strategy

- Pekan Riset Ilmiah Mahasiswa Nasional (PRISMA) Universitas Mataram2023
- Project: Plastic and Paper Waste Briquette Innovation
 - Finalists
 - Best Poster

ORGANIZATIONAL EXPERIENCES

- Graphic Designer & Content CreatorBiro Kemahasiswaan dan Alumni UAD | April 2024 - February 2026
- Designed visual content for social media, certificates, banners, and event materials.
 - Managed photo and video documentation for Instagram and TikTok content.
 - Served as a talent for social media content and promotional activities.

- Head of the Media and CommunicationIkatan Mahasiswa Muhammadiyah FTI UAD | 2023 - 2025
- Led and coordinated the Media and Communication Division in executing organizational programs and activities.
 - Designed visual content and promotional materials for organizational needs and social media.
 - Delivered presentations and served as a speaker in several organizational training sessions.

TECHNICAL & PROFESSIONAL SKILLS

Technical

- Laboratory Analysis: FTIR, UV-Vis Spectrophotometry, Gravimetric Analysis, Titration, Chloride and TDS Testing
- Process & Data: Chemical Data Analysis, Engineering Calculations
- Reporting: Technical Report Writing

Professional

Analytical Thinking, Attention to Detail, Problem Solving, Communication, Team Collaboration, Project Coordination, Leadership, Public Speaking.

CERTIFICATIONS

Intro to Data Analytics

PT Revolusi Cita Edukasi (RevoU)
Issued: 28th of August 2026

Ahmad Dahlan English Proficiency Test (ADEPT)

Ahmad Dahlan Language Center
Expired: November 2026

Health, Safety, and Environment (HSE) for Operator

PT VAPRO Training Indonesia
Expired: May 2024

Certificate of Competency

Level II Certification Scheme KKNi on Skills Competency Testing Analysis Laboratory Cluster Proximate Analysis
BNSP (Badan Nasional Sertifikasi Profesi)
Expired: April 2024