

AFIFAH HASNA SALSABILLA

Yogyakarta, Indonesia

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Chemistry graduate from Universitas Gadjah Mada with a strong interest in chemical production processes, process optimization, and quality assurance. Experienced in laboratory analysis, catalyst preparation, and process evaluation through academic research and industrial internship. Possess strong analytical, problem-solving, and data interpretation skills, supported by experience working with chemical testing standards and laboratory procedures. Adaptable and eager to learn, with a strong motivation to develop technical expertise and contribute to efficient and safe production operations.

EDUCATION

UNIVERSITAS GADJAH MADA Bachelor of Chemistry, GPA: 3.74/4.00 (Cum Laude)	Yogyakarta 2022-2026
- Graduated with a thesis titled Preparation of Ni/ZSM-5 Catalyst from NMC Li-Ion Battery Waste Reduced with NaBH₄ and Citric Acid by Spray Impregnation for Hydrotreating Nyamplung Oil into Bio-Jet Fuel - Graduated with Cum Laude Honors - Participant of IEEE UB Essay Competition 2024 - Participated in a Community Service Program (KKN) in Parigi, Pangandaran, including the development and demonstration of a dishwashing liquid formulation.	

INTERNSHIP EXPERIENCE

PT Kilang Pertamina Internasional RU IV Cilacap Laboratory Intern	Cilacap Jan-Mar 2025
- Performed quality testing of diesel fuel in accordance with ASTM standards, including analysis of key parameters and comparison with finished product specifications - Developed practical understanding of petroleum product testing, standardization, and refinery quality assurance workflows	
Dinas Lingkungan Hidup Kabupaten Cilacap Laboratory Intern	Cilacap July 2023
- Performed river water sampling in the field following proper and representative sampling procedures - Observed and studied the processing of Refuse Derived Fuel (RDF) as an alternative fuel for the cement industry in Cilacap	

VOLUNTEER AND ORGANIZATION

Staff of Innovation and Creative Energy Dewan Energi Mahasiswa	Yogyakarta Mar-Dec 24
- Contributed to educational initiatives aimed at increasing public understanding of energy issues and sustainability - Served as Treasurer for the Earth Day Program at Pasir Mendit Beach, supporting the implementation of activities involving more than 100 participants and the planting of over 200 mangrove seedlings to promote coastal sustainability and environmental awareness	
Staff of Entrepreneurship Team Keluarga Mahasiswa Kimia	Yogyakarta Mar 23-Dec 24
- Coordinated and supported entrepreneurship programs within the department - Initiated and managed sales of laboratory coats and chemistry reference books to support student academic needs	

Head of Event Seminar Entrepreneurship and Business Case Competition 2024 - Organized a seminar featuring two invited speakers with approximately 100 participants, ensuring smooth coordination and execution - Led the organization of a Business Case Competition with 20 participating teams, overseeing registration, coordination, and competition flow	Yogyakarta Mar-Nov 2024
Treasurer National Energy Festival 4.0 - Developed comprehensive budgeting plans and financial allocation strategies to support efficient implementation of all congress programs and activities. - Managed financial operations for a series of events, including an energy congress featuring three expert speakers in the energy sector, a company visit program, and a business case competition.	Yogyakarta Apr-Nov 24
Fundraising Staff Olimpiade Kimia Nasional - Identified and approached potential sponsors to secure funding and partnerships for the event - Developed sponsorship proposals and tailored partnership packages to attract external support	Yogyakarta Jun-Oct 24

SKILL	
Language	: - Bahasa Indonesia - English (TOEFL ITP: 577/677)
Certification	: - SNI ISO 17025:2017 Awareness – General Requirements for the Competence of Testing and Calibration Laboratories DDSAZ Academy 2026 - SNI ISO 9001:2015 Awareness – Quality Management Systems DDSAZ Academy 2026 - TOEFL ITP ETS Score: 577/677
Technical	: - Chemical Analysis (Wet Chemistry) - Sample Preparation and Handling - Instrumental Analysis - Laboratory Quality Control (QA/QC) - Standard Operating Procedures (SOP) Implementation - Data Processing and Technical Reporting (XPS, SAA, XRD, GC-MS, NH₃-TPD, FT-IR, UV-Vis)
Software	: - Microsoft (Word, Excel, PowerPoint) - OriginPro - HighScore Plus - ChemDraw
Interest	: - Biochemistry - Quality Assurance & Quality Control - Laboratory Testing - Manufacturing Process - Sustainable Innovation