



ABDUL HAFIZH ASY-SYUJA'

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SUMMARY

Chemistry student with hands-on experience in analytical chemistry, organic chemistry, laboratory research, and chemical analysis. Skilled in sample preparation, instrumental testing, and data interpretation using FTIR, GC-MS, NMR, LC-MS, UV-Vis, AAS, Mercury Analyzer, and PCR. Experienced in research at BRIN focused on essential oil synthesis and molecular docking, as well as internship experience at the Ministry of Health Public Health Laboratory Jakarta handling environmental and health-related samples. Strong leadership background through organizing community service programs, educational mentoring, and large-scale events. Also experienced as a coding instructor teaching 200+ students, and as a Junior Web Developer building 10+ WordPress business websites. Highly motivated to contribute in research, quality control, product development, and environmental solutions with strong communication, teamwork, adaptability, and problem-solving skills.

PROFESSIONAL EXPERIENCE

Fungsi Corporate Strategic & Investment – PERTAMINA GAS (INTERN)

Mei 2026 - Present

- Currently involved in the development and preparation of corporate maturity guideline documents related to company governance and operational standards at PT Pertamina Gas.
- Participating in meetings and discussions with directors and internal stakeholders regarding work report clauses, project proposals, and strategic company programs.
- Supporting the preparation and review of national strategic project proposals, including hydrogen plant development, Cilamaya gas pipeline projects, and biomethane gas initiatives.
- Assisting in administrative and analytical activities related to energy infrastructure development and corporate operational planning.
- Gaining knowledge and experience in the gas and energy sector, particularly in project management, corporate governance, and strategic business development.
- Developing professional skills in communication, technical documentation, data analysis, and coordination within a corporate environment.

Research Assistant – BRIN (BADAN RISET INOVASI NASIONAL RI) (INTERN)

Sep 2025 -Apr 2026

- Currently conducting research at the National Research and Innovation Agency Research Center for Chemistry, focusing on the synthesis and development of citronella essential oil and related compounds.
- Involved in laboratory research activities including sample preparation, synthesis processes, purification, and characterization of essential oil products.
- Gaining hands-on experience in operating and interpreting analytical instruments such as FTIR, GC-MS, NMR, and LC-MS for chemical structure and composition analysis.
- Learning and applying molecular docking techniques to study compound interactions and potential functional properties.
- Supporting research projects related to natural products, essential oil chemistry, and innovative synthesis methods.
- Developing strong skills in laboratory research, analytical chemistry, scientific data interpretation, and experimental problem-solving.
- Expanding knowledge of essential oil technology, chemical formulation, and advanced research methodologies in a professional research environment.

Laboratory Analyst – KEMENTERIAN KESEHATAN RI (INTERN)

Des 2024 - Mar 2025

- Completed an internship at the Ministry of Health of the Republic of Indonesia – Public Health Laboratory Jakarta, involved in receiving, processing, and analyzing various public health samples.
- Rotated across multiple laboratory divisions, including air quality, water quality, waste management, disease control, animal testing, and environmental health laboratories.
- Participated in field sampling activities for air and water quality monitoring at locations such as hotels, hospitals, and public facilities.
- Assisted in laboratory testing and data processing using analytical instruments such as AAS, Mercury Analyzer, UV-Vis Spectrophotometer, and PCR.
- Gained hands-on experience in mercury sample preparation for cosmetic products, air sampling equipment operation, animal specimen handling, and disease surveillance procedures.
- Developed practical knowledge in environmental monitoring and public health disease control related to community health in Jakarta.

Laboratory Assistant Chemical Analyst – UIN JAKARTA

Sep 2024 - Feb 2025

- Currently serving as a Laboratory Assistant for Chemical Analysis, supervising and guiding students during laboratory practical sessions.
- Assist students in conducting analytical experiments, operating laboratory instruments, and applying proper testing procedures.
- Provide guidance on laboratory safety standards, data recording, and interpretation of analytical results.
- Ensure smooth laboratory operations, maintain equipment readiness, and support effective learning during practicum sessions.

Laboratory Assistant Chemical Organic – UIN JAKARTA

Jan 2024 - Aug 2024

- Assisted in supervising and guiding 16 students during Organic Chemistry laboratory practical sessions.
- Provided instructions on laboratory procedures, safety protocols, and proper use of equipment to ensure effective experiments.
- Supported students in understanding experimental methods, data analysis, and chemistry concepts during practicum activities.
- Maintained laboratory order, safety standards, and smooth execution of practical sessions.

Finance & Fundraising Staff – Laboratory Management Chemistry UIN JAKARTA

Jan 2023 - Jan 2024

- Assisted in supervising and guiding 16 students during Organic Chemistry laboratory practical sessions.
- Provided instructions on laboratory procedures, safety protocols, and proper use of equipment to ensure effective experiments.
- Supported students in understanding experimental methods, data analysis, and chemistry concepts during practicum activities.
- Maintained laboratory order, safety standards, and smooth execution of practical sessions.

Social Staff – HIMPUNAN MAHASISWA KIMIA UIN JAKARTA

Aug 2023 - Jan 2024

- Served as the Head Coordinator of the Adik Asuh mentoring program, responsible for planning, organizing, and overseeing educational activities for children in local communities.
- Recruited and coordinated Chemistry students as volunteer tutors, assigning teams to different areas to deliver teaching sessions effectively and efficiently.
- Managed program operations, scheduling, logistics, and communication to ensure smooth implementation of all activities.
- Successfully led the program in creating positive educational impact for children while strengthening teamwork, leadership, and community engagement among volunteers.

Teacher IT – AlgoNova International Programming (PART-TIME)

Aug 2023- Present

- Served as a Coding Instructor for more than 2 years, delivering engaging technology and digital learning programs for children and students.
- Successfully taught nearly 200 students across 60+ classes, providing guidance in coding, problem-solving, and digital skills development.
- Specialized in teaching ScratchJr, block-based coding, and visual programming to introduce computational thinking through interactive learning.
- Delivered introductory courses in Artificial Intelligence and modern digital technology concepts.
- Guided students in Roblox Game Design projects to enhance creativity, logical thinking, and game development skills.
- Taught Mathematics and Digital Literacy using technology-supported and project-based learning methods.
- Designed lesson plans, interactive class activities, and learning projects tailored to different age groups and learning levels.
- Managed both online and offline classroom environments while maintaining active student engagement and participation.
- Built strong communication with students and parents through progress monitoring, feedback, and continuous learning support.
- Developed skills in mentoring, communication, leadership, presentation, and classroom management through extensive teaching experience.

EDUCATION

BACHELOR OF CHEMISTRY (S1)

Sep 2022 - Aug 2026

Universitas Islam Negeri Syarif Hidayatullah Jakarta (UIN Jakarta) 3.58/4.00

- SKRIPSI = In Silico Studies and Synthesis of Geraniol Derivatives as Sortase A Inhibitors in *Streptococcus mutans*

CERTIFICATES AND ACHIEVEMENTS

• LC Fundamental Training PT DITEK JAYA	Aug 2023
• CHEMISTRY MENTORING PRESENTATIVE IN THE VILLAGE SOCIAL MOVEMENT IN THE VILLAGE	Aug 2024
• UCS SEMINAR PRESENTATIVE WITH THE THEME CHEMIST MASTERING TECHNOLOGY	Nov 2025
• Implementasi SNI ISO/IEC 17025:2017	Apr 2026
• Laboratorium Medik - Persyaratan Mutu dan Kompetensi SNI ISO 15189:2022	Apr 2026
• Sistem Manajemen Keselamatan dan Kesehatan Kerja SNI ISO 45001:2018	Apr 2026
• Persyaratan Umum Kompetensi Penyelenggara Uji Profisiensi SNI ISO/IEC 17043:2023	Apr 2026
• Sistem Manajemen Anti Penyuapan SNI ISO 37001:2016	Apr 2026
• Good Manufacturing Practices	Apr 2026
• Manajemen Risiko SNI ISO 31000	Apr 2026
• Pengantar Penilaian Kesesuaian	Apr 2026
• Persyaratan Sistem Manajemen Mutu SNI ISO 9001 : 2015	Apr 2026
• Pengantar Metrologi	Apr 2026
• Sistem Manajemen Lingkungan – Persyaratan dengan Panduan Penggunaan SNI ISO 14001:2015	Apr 2026
• Pengantar Standardisasi	Apr 2026
• Teacher Volunteer KAWAN BESTARI	Jul 2024
• Asisten Praktikum Kimia Organik	Aug 2024
• Asisten Praktikum Kimia Analis	Feb 2025
• Ketua Adik Asuh Pengajar Anak - Anak DEPARTEMEN SOSIAL HIMKA	Jan 2024
• Ketua Chemistry In Village Tangerang Selatan DEPARTEMEN SOSIAL HIMKA	Aug 2024
• Ketua KULIAH KERJA NYATA (KKN 2025) UIN JAKARTA SYARIF HIDAYATULLAH	Aug 2025

PORTFOLIO WEBSITE DEVELOPMENT

Developed and managed multiple WordPress-based websites, including company profiles and business landing pages, covering theme customization, plugin configuration, responsive design, and basic website maintenance.

Portfolio Links:
<https://wildanlestarimandiri.com/> | <https://barokahrahmadrizki.com/> | <https://wptest.kolink.link> | <https://walt.kolink.net> | <https://gsabis.kolink.net>

LANGUAGE

• TOAFL (Test of Arabic as a Foreign Language)	360
• ETIC (English Test for Islamic Community)	456

HARD SKILLS

• Organic Synthesis	• Analytical Chemistry Techniques	• Air and Water Quality Sampling
• Esterification Reaction (Steglich Method)	• Sample Preparation & Purification	• UV-Vis Spectrophotometer Operation
• FTIR Spectroscopy Analysis	• Laboratory Instrument Operation	• AAS (Atomic Absorption Spectroscopy)
• GC-MS Analysis	• Scientific Data Analysis	• PCR Basic Techniques
• ¹ H-NMR Interpretation	• Essential Oil Chemistry	• Artificial Intelligence Fundamentals
• Molecular Docking		

SOFT SKILLS

• Communication Skills	• Time Management	• Presentation Skills
• Public Speaking	• Classroom Management	• Research & Scientific Writing
• Leadership	• Mentoring & Teaching	• Interpersonal Skills
• Teamwork & Collaboration	• Adaptability	• Fast Learning Ability
• Problem Solving	• Creativity	• Initiative & Responsibility
• Critical Thinking	• Attention to Detail	• Professional Work Ethics
• Analytical Thinking	• Project Coordination	