

MUHAMMAD MAULIDIN NADHIF

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I am currently a Chemistry graduate from Brawijaya University and am passionate about building a career as a skilled chemist. My involvement in various organizations has developed my skills in leadership, time management, critical thinking, and teamwork, among others. Furthermore, my participation in innovative research projects has strengthened my analytical skills. With excellent communication skills and a fast-learning attitude, I am ready to make meaningful contributions in academic and professional environments. I remain committed to continued growth and success in the field of science.

Education Level

Senior High School Luqman Al-Hakim (Hidayatullah) - Surabaya, Indonesia <i>Graduate in Sains Class</i>	Jul 2019 - May 2022
Brawijaya University - Malang, Indonesia <i>Graduate in Chemistry</i> Actively participated in campus committees, including organizational roles and skills training workshops	Aug 2022 - Jul 2026

Work Experiences

Internship at PT Alva Viktori Familia - Surabaya, Indonesia <i>Quality Control</i> - Conducted chemical and physical quality testing of cosmetic raw materials, including pH, viscosity, organoleptic evaluation, hardness, specific gravity, alcohol content, and solubility - Evaluated the quality and performance of cosmetic packaging materials through leakage, durability, organoleptic, and specific gravity testing - Verified COA and MSDS documentation to ensure compliance with quality requirements for raw materials and packaging prior to laboratory testing	Jun 2025 - Aug 2025
Laboratory Practicum Assistant at Brawijaya University - Malang, Indonesia <i>Basic Chemistry Lab Assistant</i> - Assisted in coordinating Basic Chemistry Laboratory sessions for Biology students - Instructed laboratory safety, waste management, chemical handling, and laboratory equipment use - Supervised practical sessions including solution preparation and standardization, compound identification, redox reactions, pH determination, distillation, and colorimetric analysis <i>Organic Chemistry Lab Assistant</i> - Assisted in coordinating Organic Chemistry Laboratory sessions for Chemistry students - Instructed laboratory safety, waste management, and proper handling of chemicals and laboratory equipment - Supervised practicals on caffeine isolation from tea leaves, curcuminoid extraction from turmeric, trimyristin isolation from nutmeg, and ginger oil compound isolation	Aug 2025 - Des 2025
Laboratory Practicum Assistant at Brawijaya University - Malang, Indonesia <i>Biochemistry Lab Assistant</i> - Assisted in Biochemistry Laboratory sessions for Chemistry B students - Instructed laboratory safety, waste management, and proper handling of chemicals and laboratory equipment - Supervised practicals on micropipette calibration and biochemical analyses of carbohydrates, proteins, lipids, enzymes, and vitamins	Feb 2026 - Jun 2026

Research Experiences

Chemistry Project at Brawijaya University - Malang, Indonesia <i>Organic Chemistry Laboratory</i> - Extracting essential oils from (<i>Jasminum sambac</i>) and (<i>Syzygium myrtifolium</i>) using the Soxhlet extraction process - Designing and testing modified perfume formulations to naturally enhance scent retention quality - Managing laboratory standardization and scientific data documentation throughout the research process	Feb 2025 - Jun 2025
Biophysics Chemistry Project at Brawijaya University - Malang, Indonesia <i>Organic Chemistry and Measurement Analysis Laboratory</i>	Oct 2025 - Dec 2025

- Performed extraction of *Strobilanthes crisper* leaves using different solvents
- Analyzed fluorescence characteristics to assess the effect of solvent polarity on phytochemical profiles
- Interpreted experimental data and presented findings in a scientific report

Thesis Researcher at Brawijaya University - Malang, Indonesia

Feb 2026 - Jul 2026

Biochemistry and Organic Chemistry Laboratory

- Conducted a comprehensive Bachelor's thesis research titled "Variasi Waktu Fermentasi Penambahan Kulit Bawang Putih pada Eco Enzim terhadap Aktivitas Peroksidase, Kitinase, dan Kandungan Metabolitnya"
- Formulated eco-enzyme solutions using organic waste (garlic peel) and optimized the fermentation process under various time intervals
- Analyzing and evaluating the biological activities of peroxidase and chitinase enzymes, and identifying secondary metabolites using UV-Vis and LC-HRMS instruments.
- Operated specialized laboratory instruments and implemented standard safety protocols (K3) during the extraction and biochemical testing phases
- Processed, interpreted, and presented quantitative data to compile a comprehensive final scientific thesis report

Leadership & Organizational Experiences

Himpunan Mahasiswa Kimia Brawijaya University - Malang, Indonesia

14th August 2023

Logistic Division Staff – Company Visit HMK UB 2023

- Lookin for transportation to use
- Indetifying the need for goods for the committee

Himpunan Mahasiswa Kimia Brawijaya University - Malang, Indonesia

Sept 2023 – Oct 2023

Logistic Division Staff – Alkalic Chemistry 2023

- Identifying the need for goods for the committee
- Looking for a place for the campus introduction committee for the chemistry department of Brawijaya University

Forum Kajian Islam (FORKALAM) FSTeM Universitas Brawijaya - Malang, Indonesia

Feb 2024 – Des 2024

Creative Economy Division Head

- Lead a team in designing and executing marketing strategies to support the organization's finances
- Hold seminars, workshops, and entrepreneurship training to improve student's sales skills
- Managing funds from creative economic activities and establishing cooperation with sponsors or business partners
- Evaluated and refine marketing strategies to be more effective and in line with the organization's needs

Himpunan Mahasiswa Kimia Universitas Brawijaya - Malang, Indonesia

Apr 2024 – Jun 2024

Perkap Division Head – Chemistry Career Day 2024

- Planning the equipment and supplies needed by the committee
- Looking for a venue for chemistry career day 2024 training seminars and workshops
- Coordinate members to find travel accommodation to the destination

Better Youth Foundation - Malang, Indonesia

Okt 2024 – Jan 2025

Youth Care Division Staff

- Distributing basic food supplies, providing health education, and sharing with orphans or the poor

Skills & Other Achievements

- **Soft Skills:** Time Management, Team Work, Adaptability, Leadership, Emotional Intelligence, Thingking & Innovation
- **Hard Skills :** Laboratory equipment (proficient in using reflux systems, soxhlet extractors, column chromatography setups, and distillation apparatus), titration and operating analytical instruments such as HPLC, FTIR, UV- VIS Spectrophotometer, Spectronic 20, Turbidimeter, Microsoft Office Word, Excel, MarvinSketch, and Avogadro
- **Other Achievements :** Silver predicate for training and competency assessment in Microsoft Office desktop applications organized by TRUST TRAINING PARTNERS, as well as seminars and workshops on HACCP document preparation organized by MAKIN AHLI