



FARHAH SYAHIDATUL MALA

Depok City, West Java • +62 856-9243-9088 • farhasm09@gmail.com
LinkedIn: www.linkedin.com/in/farhahsm

PROFILE

Chemistry graduate from UIN Syarif Hidayatullah Jakarta with hands-on experience in laboratory research, chemical analysis, and material synthesis. Familiar with laboratory instruments including XRD, FTIR, UV-Vis, HPLC, and GC-MS, as well as analytical data processing using Origin and Microsoft Excel. Interested in Quality Control, Quality Assurance, Research & Development, and laboratory analysis positions.

EDUCATION

UIN Jakarta - Bachelor of Science | GPA: 3.7

2021 - 2025

PUBLICATION

Mala, F. S., Saridewi, N., Nurbayti, S., Adawiah, A., Zulys, A. (2026). Synthesis of Cu-PTC (Perylene 3,4,9,10-tetracarboxylate) Metal-Organic Framework (MOF) for Methylene Blue Photodegradation. Bulletin of Chemical Reaction Engineering & Catalysis, 21 (2), 262-273 (doi:[10.9767/bcrec.20525](https://doi.org/10.9767/bcrec.20525))

EXPERIENCES

Research Assistant

Aug 2025 - Aug 2026

UIN JAKARTA Integrated Laboratory Center - South Tangerang

- Conduct laboratory experiments involving material synthesis and characterization.
- Using FTIR, UV-Vis, UV DRS, AAS, and XRD instruments for material analysis.
- Analyze characterization data using Origin and Microsoft Excel.
- Prepare laboratory chemicals and maintain inventory.
- Support research activities from synthesis to data reporting.

Research Intern

Jan 2024 - Feb 2024

Badan Riset dan Inovasi Nasional (BRIN) - South Tangerang

- Synthesized CaO catalyst from shell waste.
- Characterized catalyst using BET, SEM, and XRD.
- Produced biodiesel through transesterification.
- Conduct physical testing of the resulting biodiesel.

Chemistry Tutor

Feb 2023 - Des 2023

Maestro Pendidikan Indonesia - Depok

- Developing interactive learning materials to increase student motivation.
- Teaching students with an adaptive approach.

TECHNICAL SKILLS

- Laboratory Instruments : UV-Vis, AAS, GC-MS
- Software : Excel, Word, OriginLab, PowerPoint, DesignExpert
- Laboratory Techniques : Material synthesis, Sample preparation, Photocatalytic testing, Chemical analysis, Data interpretation

SOFT SKILLS

- Analytical Thinking
- Time Management
- Problem Solving
- Attention to Detail
- Teamwork

TRAINING

- HPLC, FTIR & UV-Vis Spectrophotometry by PT. Ditek Jaya
- Quality Control (QC), Quality Assurance (QA), GMP, HACCP, ISO 22000:2018, FSSC 22000 Training in Food Industry by Makin Ahli
- Cara Produksi Kosmetik yang Baik (CPKB) Training by DDSAZ Lab Academy

VOLUNTEER EXPERIENCES

UIN JAKARTA Integrated Laboratory Center - South Tangerang

March 2024 - June 2024

Inorganic Chemistry Laboratory Assistant

- Prepare reagents and equipment needed for laboratory testing and analysis.
- Ensure a safe and orderly laboratory environment during laboratory sessions.

Academic Tutor

- Volunteering as a tutor for children, focusing on academic and religious subjects.
 - Helping improve children's understanding of learning and fostering motivation in participating in learning activities.
 - Developing communication skills through direct interaction with children and the volunteer team.
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PROJECT

Making Honey Tablets

- Production of honey powder via spray drying
 - Compression of honey powder into tablets to extend shelf life and create an innovative honey product
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ORGANIZATIONAL EXPERIENCE

Himpunan Mahasiswa Kimia (Himka) UIN Jakarta - South Tangerang April 2022 - December 2022

Communications and Information Department Staff

- As a staff member of the Department of Communication and Information, responsible for information management and digital content creation.
 - Participated in the HIMKA "Find Your Chemistry" talk show as a member of the decoration and documentation division (2022)
 - Participated as a member of the HIMKA UIN Jakarta Saman dance group (2022).
 - Participated in the HIMKA UIN Jakarta Work Meeting as a member of the consumption division (2022)
 - Participated in the HIMKA UIN Jakarta Islamic Holiday Commemoration as a member of the decoration and documentation division (2022)
 - Participated in the "Great Training Video Festival" video editing training event organized by HIMKA and HIMATIKA UIN Jakarta as treasurer (2022)
 - Participated as a member of the HIMKA UIN Jakarta Chemist Club (2022)
 - Participated in the HIMKA UIN Jakarta Final Conference as coordinator of the decoration and documentation division (2022)
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