

Nayla Ghinan [23 y.o]

Central Jakarta | 085624307753 | nylaaghin@gmail.com

Chemical Analysis graduate from AKA Bogor Polytechnic with experience in laboratory analysis and quality control. Skilled in physicochemical testing using both conventional and instrumental analytical methods. Experienced in operating laboratory instruments including AAS, FTIR, UV-Vis Spectrophotometry, HPLC, and Gas Chromatography. Familiar with method verification and validation as well as laboratory quality assurance in accordance with ISO 17025 guidelines. Detail-oriented and highly motivated to contribute in Quality Control, Quality Assurance, and laboratory analysis roles in the chemical, cosmetic, or pharmaceutical industries..

Education

Jayabaya University

Bachelor (s1) in Chemical Engineering | 2024-2026

Status: Final defense completed (2026)

Polytechnic AKA Bogor- Bogor, West Java

Diploma (D3) in Analytical Chemistry | 2020 – 2023

GPA 3,31/4,0

Final Project: Analisis Sifat Fisika dan Kimia Katalis Platforming *jenis Fresh, Spent, dan Regenerated* Katalis

Relevant Coursework & Laboratory Experience:

- Performed basic laboratory procedures including weighing, pipetting, dissolution, dilution, and titration techniques.
- Conducted conventional chemical analysis such as gravimetry and volumetry.
- Performed instrumental analysis using FTIR, UV-Vis Spectrophotometry, AAS, GC, HPLC, and Dissolution Tester.

Professional Experience

PT Advanced Analytics Asia Laboratories

Senen, Central Jakarta

Analyst (Mei 2024-Present)

Ambient and Emission Air Analyst

- Performed ambient air and emission air analysis using UV-Vis Spektrophotometry
- Conducted quality control and quality assurance procedures to ensure analytical results complied with regulatory standards.
- Verified analytical methods for environmental testing

Water Analyst

- Conducted water quality analysis using gravimetric methods, including Total Suspended Solid (TSS), and Total Dissolved Solid (TDS)
- Performed titrimetric analysis including permanganate titration (KMnO₄) and determination of total hardness (CaCO₃)
- Analyzed water samples using UV-Vis Spectrophotometry for parameters such as Hexavalent Chromium (Cr⁶⁺), Nitrite (NO₂), and Sulfate (SO₄²⁻)
- Performed method verification and validation procedures.
- Implemented laboratory quality assurance practices in accordance with ISO 17025 guidelines.

Internship Experience

PT Pertamina (Persero)- Research Technology & Innovation (RTI)

Laboratory Analyst Intern (Februari 2023-Juli 2023)

- Conducted physical and chemical property analysis of catalysts.
- Operated laboratory instruments including SA-Analyzer, X-Ray Fluorescence Spectrophotometer (XRF), Carbon Analyzer (LECO), Crushing Strength Tester, and Particle Size Distribution Analyzer.
- Assisted in catalyst characterization and laboratory testing procedures.

Additional Experience

RA Al-Hidayah Kindergarten - Cirebon

Teaching Assistant (January -April 2024)

- Assisted early childhood learning activities for kindergarten students.
- Taught basic reading skills and introductory Qur'an reading (Iqra').
- Helped create a positive and supportive learning environment.

Training and Certifications

- Chemical Analysis by Atomic Absorption Spectrophotometry (AAS)– Badan Nasional Sertifikat Profesi (BNSP) | 2023
- Laboratory Equipment Calibration – Badan Nasional Sertifikat Profesi (BNSP) | 2023
- ISO 9001:2015 Quality Management System – Politeknik AKA Bogor | 2022
- ISO 14001:2015 Environmental Management System– Politeknik AKA Bogor | 2022
- ISO 22000:2018 Food Safety Management System. – Politeknik AKA Bogor | 2022
- Achievement Motivation Training – Politeknik AKA Bogor | 2021

Skills

Laboratory Skills

- Instrumental Analysis (AAS, FTIR, UV-Vis, HPLC, GC)
- Gravimetric and Titrimetric Analysis
- Method Verification and Validation
- Laboratory Quality Assurance (ISO 17025))

Technical Skills

- Microsoft Office (Word, Excel, PowerPoint)

Language

- English (ITP TOEFL: 457)

Soft Skill

- Communication
- Teamwork
- Attention to Detail
- Laboratory Documentation

Organizational Experience

Pelaksana Program Beasiswa Yatim Dhuafa (PPBY)

Bogor, West Java

Secretary

(2021-2023)

Provided administrative support including drafting letters and managing organizational activity schedules.

Responsible for organizing and maintaining important documents, such as membership lists and meeting notes