



# AHMAD MUHAJIR ALLAYSY

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Pasuruan, East Java

I am a chemistry graduate with extensive experience working as a Quality Control Analyst in the cosmetics and personal care industry. In addition, I have professional experience working as a laboratory analyst in the palm oil processing industry. I am an expert in conducting comprehensive analyses, proficient in various laboratory instruments, and dedicated to producing accurate data to ensure product quality.

## Work Experiences

**PT Tempo Utama Sejahtera - Mojokerto** Nov 2024 - Present

*Quality Control Analyst*

Companies with production facilities for cosmetics, household products, and medical devices.

- The responsibilities of this position include inspecting the quality of intermediate, bulk, and finished goods in accordance with established quality standards.
- To ensure product quality and minimize defects, it is essential to implement process control measures during the filling and packaging stages of production.
- Create reports on non-conformities that occur on the production line for corrective follow-up.
- Prepare technical documentation and quality analysis reports for each production batch
- Demonstrate your proficiency in titrimetric analysis, a critical step in ensuring the precision of compound content measurements during the production process.
- Operate various analytical instruments, including Brookfield viscometers, pH meter and conductivity meter.

**PT Bina Karya Prima - Gresik** May 2024 - Nov 2024

*Laboratory Analyst*

The company processes palm oil into various products, including food and non-food items.

- The company performs quality parameter analysis on raw materials, semi-finished goods, and finished goods.
- Achieve proficiency in titrimetric analysis to determine free fatty acid (FFA), peroxide value, and iodine value. Also achieve proficiency in gravimetric analysis to determine ash content, moisture, and impurities in palm oil.
- Operate analytical instruments such as the UV-Vis spectrophotometer, near-infrared spectroscopy, Lovibond colorimeter, bomb calorimeter, moisture analyzer, furnace, pH meter, and conductivity meter.

## Education Level

**Maulana Malik Ibrahim State Islamic University, Malang**  - Malang Aug 2019 - Dec 2023

*Bachelor of Science Chemistry, 3.55/4.00*

- Inorganic Chemistry Laboratory Assistant.
- Research Assistant for the Community Development Program.
- Skilled in analyzing XRD, XRF, FT-IR, GC-MS, and UV-Vis Spectrophotometer data.
- Thesis: Synthesis of Zeolite X from Blitar Kaolin Using the Hydrothermal Method as a Catalyst for Oleic Acid Esterification with Variations in Reaction Time.

## Internship and Organizational Experience

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### Community Development Program - Bawean, Gresik

May 2023

#### Research Assistant

Program for the practical application of science, technology, and cultural arts directly to the community by the Faculty of Science and Technology, Maulana Malik Ibrahim State Islamic University, Malang

- Planning and implementing research projects and compiling reports on the production of Virgin Coconut Oil (VCO).
- Educate the public on the production process and the benefits of VCO to increase sales.

### UPT Proteksi Tanaman Pangan dan Hortikultura - Surabaya

Jul 2022 - Aug 2022

#### Laboratory Analyst

The Pesticide and Fertilizer Testing Laboratory is responsible for the following: quality testing and monitoring of pesticides prior to distribution, as well as testing for pesticide residues on foods and horticultural plants.

- Conducting pre-distribution testing and field monitoring of pesticides in circulation to ensure compliance with safety standards.
- The company performs pesticide residue analysis on food and horticultural plants, ensuring that products are safe for consumption.

## Skills, Achievements & Other Experience

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- **Technical Expertise** : The responsibilities of the laboratory analyst include quality control (QC), titrimetric analysis, Good Manufacturing Practice (GMP), and Halal Product Assurance System.
- **Instrument Proficiency**: UV-Vis spectrophotometer, near-infrared spectroscopy, physical and chemical testing (Lovibond colorimeter, bomb calorimeter, Brookfield viscometer, moisture analyzer, pH meter, conductivity meter, furnace), structural analysis (XRD, XRF, FT-IR, GC-MS).
- **Software**: SAP, Microsoft Office (Word, Excel, PowerPoint).
- **Soft Skills**: Leadership, attention to detail, adaptability, problem solving, initiative, communication, critical thinking, teamwork, time management, creativity, and innovation.
- **Certifications** : Food Safety System Certification (FSSC 22000), Hazard Analysis and Critical Control Points (HACCP), ISO 22000, HACCP Document Preparation, Quality Control (QC), Good Manufacturing Practice (GMP), Research and Development (R&D) in the Food Industry, Halal Product Assurance System, Test of Arabic as a Foreign Language (TOAFL), Test of English as a Foreign Language (TOEFL).