

BALQIS MAHMUDAH

KIMIA - FRESH GRADUATE

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PROFILE

A graduate of the Chemistry programme with an interest in quality control (QC), quality assurance (QA), research and development (R&D), laboratory analysis, and other related fields. Possesses expertise in instrumental analysis, quantitative and qualitative chemical analysis, and laboratory management, reinforced through internship and research experience at the National Research and Innovation Agency (BRIN). Accustomed to operating various laboratory instruments and analysing samples meticulously and systematically. I also have experience in data validation, document control, and the application of data integrity principles through a QA internship at a pharmaceutical laboratory. Furthermore, I have experience as a laboratory assistant, which has honed my teamwork skills, scientific communication, and discipline in laboratory work procedures.

EXPERIENCE

Internship – National Research and Innovation Agency (January 2024 – February 2024)

- Conducting research related to biochar synthesis from biomass
- Conducting proximate analysis related to moisture content, ash content and volatile matter content
- Compiling internship reports

Student Research – National Research and Innovation Agency (September 2024 – April 2025)

- Conducting research related to the synthesis of biomass-based heterogeneous catalysts for biodiesel production
- Operating pyrolysis equipment and pressure reactors
- Processing UV-Vis, FTIR, BET, XRD and GC-FID data
- Writing journals

Laboratory Assistant – Integrated Laboratory Centre, UIN Jakarta (March 2024 – July 2024)

- Supervising practical work
- Preparing practical requirements such as dilution, standardisation of solutions and understanding how practical work is carried out
- Conducting pre- and post-tests, checking practical reports and awarding marks

QA Internship – KBIC PT. Pharma Metrics Labs (February 2026 – April 2026)

- Validate and verify analytical data in Excel and check compliance with reference documents (Analytical Method/MA) to ensure accuracy, consistency and data integrity.
- Reviewing and controlling QA documents, including checking compliance, version control, and reporting non-conformities via the deviation and CAPA systems.
- Supporting equipment qualification and calibration activities, as well as temperature monitoring (data loggers, alarm tests, and temperature deviation justifications) in accordance with laboratory quality standards.

EDUCATION

Syarif Hidayatullah State Islamic University Jakarta | September 2021 - August 2025

Bachelor of Science (Chemistry) S.Si, 3.44/4.00

ABILITY

- **Software:** Microsoft Office, Microsoft Excel (Data Checking, Formula Validation), Origin and High Score
- **Soft Skills:** Problem solving, Teamwork, Time management and discipline
- **Hard Skills:** QA Documentation & Document Control, UV-Vis Spectrophotometer, HPLC, GC-FID, AAS, Hazardous Materials Handling, Laboratory Assistant, Scientific Research, and Laboratory Management