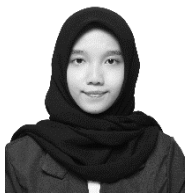


ADLIA IKHSANI

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Jl. Antapani Gg. habd gani Kota Bandung



I am a graduate of Politeknik Negeri Bandung with a major in Chemical Engineering D3 - Chemical Analyst study program. I have interest to work in Quality Control, Laboratory Analyst, Chemical Analyst, Quality Assurance, HSE and Administration. I am able to perform chemical, physical and microbiological testing conventionally and using instruments. I am also a hard worker, fast learner, responsible, honest, disciplined, and thorough. Able to work independently or as part of a team and creative to create solutions.

Education

Politeknik Negeri Bandung – Bandung, West Java, Indonesia

Agustus 2021 – Agustus 2024

Diploma III Analis Kimia, 2.94/4.00

- Have experience operation UV-VIS Spectrophotometer, AAS, GC, HPLC Instruments and learn about conventional analysis.
- Relevant courses: Physical Chemistry, Management of Tools and Materials, Measurement Instruments, Chemical Statistics, Analytical Microbiology, Spectrophotometry, Pharmaceutical Chemistry, Chromatography, Sampling Techniques, Laboratory OHS, Computer Applications, Electroanalytics, Biotechnology, Chemical Industrial Processes, Maintenance of Analytical instruments, Industrial Waste Treatment, Nanotechnology, Natural Materials Chemistry, Food Chemistry, Process Analytics, Quality Control and Food Safety, Laboratory Quality Management, Advanced Instrument Methods.

Work Experience

PT Bio Farma (Persero) – Bandung, West Java, Indonesia

January 2024 – March 2024

Practical Work at the Virus Vaccine Quality Testing Department (PMVV)

- Applying the moral values of BUMN AKHLAK (Amanah, Kompeten, Harmonis, Loyal, Adaptif, dan Kolaboratif)
- Learn and understand the standard operating procedures (SOPs) of several tests in the PMVV department
- Assist in the administration of the entry and exit flow of samples to be tested
- Responsible for inputting data accurately and efficiently into the company's database system
- Learn and understand Real Time PCR, conventional PCR, and Elisa Reader instruments
- Analyzing polio virus detection test using PCR method

Pusat Sumber Daya Mineral Batubara dan Panas Bumi – Bandung, West Java, Indonesia

July 2023 – August 2023

Independent Internship in Mineral and Metal Chemistry Laboratory

- Conduct quantitative analysis of metal content in 200+ rock, soil and sand samples using ICP MS
- Analyzing of Y and Ce content in rock samples using ICP MS
- Learn and understand ICP MS, ICP OES, and AAS instruments

Projects and Experience

Research Asistant – Bandung, West Java, Indonesia

December 2023 – June 2024

- Research with the title “Synthesis and Characterization of Lithium Battery Precursor Materials from Laterite Nickel Ore Using Phosphoric Acid Solvent”.
- Extraction of Laterite Nickel Ore into FePO₄ with various leaching temperature variations.
- Precipitation of MHP and MOP with various solvents namely NaOH, NH₄OH, and H₂C₂O₄
- Analyze the characterization of FePO₄, MHP and MOP using AAS and XRF.

Program “Pengabdian Kepada Masyarakat” – Bandung, West Java, Indonesia

Juni 2023 – Juli 2023

- Making herbal drinks with a variety of ingredients, namely lemon and lemongrass
- Beverage manufacturing is done by aseptic and pasteurization methods
- Conducting oligodynamic tests and antimicrobial tests on herbal drinks that have been made
- Conducting counseling to improve the quality of herbal beverage products produced by the Rengganis Farmer Women's Group (KWT) Arjasari Kab. Bandung by conducting oligodynamic tests and antimicrobial tests

Natural Materials Chemistry Course Project – Bandung, West Java, Indonesia

Agustus 2023 – Desember 2023

- Extraction of Essential Oil from Lemongrass Plant by Steam Distillation method, Liquid-liquid extraction with n-Hexana
- Characterization analysis of extraction results with Thin Layer Chromatography
- Synthesizing Silica from Rice Husk Ash by Sol-Gel method

- Determining silica content and silica surface area by UV-VIS spectrophotometry
- Reporting the final results of the research

Integrated Analytical Chemistry Course Project – Bandung, West Java, Indonesia August 2023 – December 2023

- Research Title “Validation and Verification of Analysis and Determination of Lead (Pb) Heavy Metal Content in Green Shellfish with Atomic Absorption Spectrophotometer”
- Verifying the test method for heavy metal lead (Pb) levels in green mussel samples based on SNI 2354.5: 2011
- Perform sample preparation and sample deconstruction of green mussels
- Analyzing Lead heavy metal levels with AAS

Organization Experience

Himpunan Mahasiswa Jurusan Teknik Kimia – Bandung, West Java, Indonesia

Senior Staff of the Department of Spiritual Science January 2023 – December 2023

- Monitor and provide direction to young staff in implementing work programs in the Department of Spiritual Science
- Participated in 20+ activities of the Chemical Engineering Department Student Association

Junior Staff of the Spiritual Science Department April 2022 – December 2022

- Being a public relations division in various work programs carried out by the Department of Spiritual Science
- Participated in 20+ activities of the Chemical Engineering Department Student Association

Unit Kegiatan Mahasiswa Pengabdian Kepada Masyarakat – Bandung, West Java, Indonesia

Member of Mahagana Division June 2022 – June 2023

- As the logistics coordinator of the Mahagatree work program responsible for
- As a consumption coordinator responsible for preparing food and drinks in the disaster counseling work program at SDN Pasir Ipis Lembang
- Participate in sorting books that will be distributed to children in need
- Participating in other division work programs

Skills and Certifications

Certification :

- Competency Test Certificate: UV-VIS and AAS Spectrophotometric Test Method Validation
- DataCamp Certificate

Hard Skills

- Able to operate UV-VIS Spectrophotometer, AAS, PCR, ELISA, and ICP MS Instruments
- Able to operate pH meter, Refractometer, Turbidimeter, Khejda, Microscope, Autoclave, Centrifuge, Voltmeter
- Able to operate Ms. Office Word, Excel, Power Point, and Teams
- Able to operate Google Suite
- Able to use SPSS and Origin statistical applications
- Able to use Canva editing application

Soft Skills

- Leadership, Teamwork, Time Management, Critical Thinking, Problem Solving, Communication, Humanity, Adaptability.