

ADE IRAWAN

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PROFESSIONAL SUMMARY

Chemistry graduate from Bandung Institute of Technology (ITB) currently serving as an analytical development in the pharmaceutical industry. Experienced in the development and validation of analytical methods for raw materials, finished product, and providing critical analytical data to support material compatibility studies and product stability evaluations. Highly proficient in operating precision laboratory instrumentation, including HPLC, UV-VIs, and FTIR Spectrophotometry. Expert in managing and interpreting analytical data using Empower and Chromeleon software. Demonstrated ability in maintaining data integrity and compliance with GMP/CPOB standards, with a strong interest in utilizing scientific data to optimize pharmaceutical process development.

PROFESSIONAL EXPERIENCE

PT Lapi Laboratories - Serang, Indonesia

Analytical Development (March 2024 - present)

- Developed and validated chemical and physical analytical methods for raw materials and finished goods accordance with pharmacopeia standards.
- Provided critical analytical data to evaluate product stability against various packaging materials and determined material compatibility during method development.
- Conducted product stability studies under various storage conditions and packaging variations to evaluate shelf life and product quality.
- Identified appropriate laboratory materials based on the chemical properties of samples to ensure data integrity and prevent incompatibility during the analytical process.
- Facilitated analytical method transfers to other departments, such as quality control (QC), and internal teams, to guarantee reproducibility of test result in routine operations.
- Operated advanced laboratory instrumentation, including HPLC, UV-Vis Spectrophotometry, and FTIR, to ensure rigorous data validation.
- Prepared systematic analytical reports and technical documentation, prioritizing data integrity principles and compliance with GMP/CPOB standards.
- Served as Person In Charge (PIC) for laboratory instruments, including analytical balances, Karl Fischer, dissolution testers, and HPLC.

PT. Pertamina RU VI Balongan - Balongan, Indonesia

Laboratory Staff (Internship) (May-June 2022)

- Analyzed quality specifications of LPG Mix Bulk products at PT Pertamina RU VI Balongan to ensure compliance with industry standards.
- Conducted representative sampling for laboratory analysis, following strict safety and quality protocols.
- Verified data accuracy against eligibility standards and performed re-evaluations for any discrepancies to maintain quality control.

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CORE COMPETENCIES

- **Analytical Chemistry and Development** : Analytical method development and validation, method transfer, stability studies, and analysis of raw materials & finished goods.
- **Laboratory Instrumentations** : HPLC, UV-Vis Spectrophotometry, FTIR Spectrophotometry, Potentiometry, Karl Fischer, Densitometer, Lamy Rheology, Dissolution Tester, Disintegration Tester, Digital Caliper, and Hardness Tester.
- **Software Proficiency** : Empower, Chromeleon, UVProbe, and Microsoft Office.
- **Compliance & Management** : Good Manufacturing Practice (GMP/CPOB), Good Laboratory Practice (GLP), and Instrument Stewardship (Person In Charge/PIC).

EDUCATION

Bachelor Degree of Chemistry, Bandung Institute of Technology (ITB) (2019 - 2023)

GPA : 3.31/4.00

TRAINING & CERTIFICATION

- **Training SNI ISO/IEC 17025:2017 Awareness Training, PT. Avogadro Inovasi Indonesia**
Bandung Institute of Technology, October 2022.
Link :
<https://drive.google.com/file/d/1NXeD6FeUgOtjaVFqsRjXyR5tMc0jgXoJ/view?usp=sharing>