



FARHAN FIRMANSYAH

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Jalan Karang Pasundan VI No. 58 Blok E-21 Komplek Pasir Jati RT 6 RW 13 Desa Jatiendah Kecamatan Cilengkrang Kabupaten Bandung

Pharmacy professional with 5 years of experience in Quality Control, Research & Development, Analytical Method Validation & Verification, and Microbiology within GMP-regulated pharmaceutical manufacturing environments. Experienced in analytical testing of raw materials, in-process samples, finished products, and stability samples, as well as analytical method development, verification, validation, and transfer activities. Proficient in operating and troubleshooting analytical instruments, including HPLC/UHPLC/UPLC, GC, UV-Vis Spectrophotometer, Dissolution Tester, FTIR, pH Meter, and other laboratory equipment. Experienced in analytical data evaluation, preparation and review of analytical methods, protocols, reports, and supporting documentation in compliance with CPOB, GMP, GLP, ISO 17025, ICH Guidelines, USP, and Farmakope Indonesia (FI). Strong analytical thinking, attention to detail, problem-solving, and cross-functional collaboration with QA, QC, Production, Engineering, and R&D teams. Holds a Bachelor's Degree in Pharmacy (GPA 3.95) and is currently completing the Pharmacist Professional Program at i3L University.

Professional Experience

PT Hexpharm Jaya Laboratories - Cikarang, Kabupaten Bekasi

Feb 2025 - Present

Microbiology

Responsible for performing microbiological testing of raw materials, finished pharmaceutical products, and stability samples in compliance with Good Manufacturing Practices (CPOB), the Indonesian Pharmacopoeia, and USP standards. Prepared culture media, reagents, and sterile equipment, ensuring media suitability through Growth Promotion Testing (GPT) and maintaining pure microbial cultures for analysis. Performed Total Aerobic Microbial Count (TAMC), Total Yeast and Mold Count (TYMC), Microbial Limit Tests, sterility testing, and microbial identification using pharmacopoeial methods. Supported microbiological method verification and validation, periodic production facility qualification, and Quality Assurance activities including Cleaning Validation, Dirty Holding Time Study, and Cleaning Holding Time Study. Participated in equipment qualification (IQ/OQ/PQ), calibration, and maintenance of microbiology laboratory instruments, while ensuring microbiological waste was decontaminated in accordance with biosafety procedures.

- Featured Projects
 - Development and Standardization of McFarland Suspension Concentration for Automated Bacterial and Fungal Purity Testing Using VITEK Technology
 - Standardization of Microbial Suspensions to Enhance Purity Testing and Minimize Contamination Risk
 - Shelf-Life Extension of Sterile Laboratory Equipment Through Process Optimization and Sterility Validation
 - Development of a VITEK-Based Microbial Knowledge Database to Enhance Environmental Monitoring and Production Area Qualification
 - Design and Development of an In-House Colony Counter for Enhanced Microbial Colony Observation
 - Microbiological Testing Reduction Through Risk Assessment for Microcrystalline Cellulose PH 101 and PH 102
- Site Best Employee Award
 - March, April, September (2025)
 - January, March, June (2026)

PT Hexpharm Jaya Laboratories - Cikarang, Kabupaten Bekasi

Feb 2024 - Feb 2025

Method Validation & Compliance

Responsible for preparing validation protocols, analytical worksheets, and supporting documentation in compliance with Good Manufacturing Practices (CPOB). Performed analytical method validation for raw materials and finished pharmaceutical products using HPLC, Dissolution Tester, UV-Vis Spectrophotometer, and other analytical instruments. Conducted Comparative Dissolution Testing (CDT) for solid oral dosage forms to support product registration and post-approval variations submitted to the Indonesian Food and Drug Authority (BPOM). Evaluated validation data, prepared validation reports, and collaborated with QA, QC, and R&D teams to ensure analytical methods met regulatory requirements and validation acceptance criteria.

- Featured Projects
 - Process Optimization Through In-House Preparation and Stability Validation of 1 M & 3 M KCl Electrode Storage Solution
 - Recovery and Performance Restoration of a Mettler Toledo pH Electrode Previously Declared Unserviceable
 - Lifecycle Extension of a Reversed-Phase HPLC Column Through Regeneration and Performance Recovery
 - Optimization of Respirator Utilization Through Validated Cleaning and Decontamination Procedures
 - Restoration of Unserviceable Micropipettes to Support Laboratory Operations
- Site Best Employee Award
 - January 2025
- 3rd Place Winner – Quality Control Circle (QCC) Competition 2025, PT Hexpharm Jaya Laboratories

PT Combiphar - Padalarang, Kabupaten Bandung Barat

Feb 2023 - Feb 2024

Development Analyst (RnD)

Worked in the Research & Development (R&D) Division at PT Combiphar, responsible for the development and validation of analytical methods for finished pharmaceutical products and raw materials. Experienced in designing, optimizing, and validating analytical methods using a wide range of analytical instruments, including HPLC/ UHPLC/ UPLC, GC, AAS, UV- Vis spectrophotometer, potentiometer, CAMAG TLC, dissolution tester, and other laboratory instruments in compliance with Good Manufacturing Practices (CPOB) and regulatory requirements.

PT Combiphar - Padalarang, Kabupaten Bandung Barat <i>Quality Control Analyst</i> Worked in the Quality Control Division at PT Combiphar, responsible for ensuring the quality of finished pharmaceutical products through quality control testing, preparation and documentation of analytical reports, and management of finished product stability samples in compliance with Good Manufacturing Practices (CPOB).	Aug 2021 - Feb 2023
- Featured Projects - Stability Validation of EDTA and Zinc Sulfate Volumetric Solutions for Extended Standardization Intervals	
Lira Medika Hospital - Kabupaten Karawang <i>Pharmacist Intern</i>	Mar 2026
PT Millenia Dharma Insani - Cikarang, Kabupaten Bekasi <i>Pharmacist Intern</i>	Apr 2026
PT Sapta Sari Tama - Kota Bekasi <i>Pharmacist Intern</i>	Jun 2026

Education Level

Indonesia International Institute for Life Sciences (i3L) University - Jakarta <i>Pharmacist</i>	Jan 2026 - Feb 2027 (Expected)
Halim Sanusi University PUI Bandung  - Bandung <i>Bachelor of Pharmacy, 3.95/4.00</i>	Jul 2021 - Jul 2025
Sekolah Menengah Kejuruan Negeri 5 Bandung  - Bandung <i>High School Diploma in Chemical Analyst</i>	Jul 2017 - Jul 2021

Skills, Achievements & Other Experience

- Expert In General Occupational Health & Safety**  (2026): Based on SKKNI K3 Kepmenaker No. 038 in 2019
- Chemical Hygiene Plan**  (2025): With Predicate Excellent
- Hands On Training Growth Promotion Test**  (2025): With Predicate Excellent
- Autotitrator Operation and Maintenance**  (2025): As A Participant
- Hands On Training Analisis Mikrobiologi Membran Filter**  (2025): With Predicate Excellent
- Analysis HPLC For Beginner**  (2024): With Predicate Excellent
- Teknik Analisis E.coli dan Coliform Pada Air Minum Menggunakan Metode Membran Filter Sesuai APHA**  (2024): With Predicate Excellent
- Public Training Penjaminan Mutu Pada Pengujian Kimia**  (2024): With Predicate Excellent
- Calibration Technique For Beginner Based On SNI ISO/IEC 17025:2017**  (2024): With Predicate Excellent
- Validasi dan Verifikasi Metode Pengujian Mikrobiologi For Beginner Sesuai Standar Internasional dan SKKNI**  (2024): With Predicate Excellent
- Publish Journal at Indonesian Journal of Pharmaceutical Science and Technology** (2023): Flavonoids from Basil Leave as a Potential Inhibitor of SARS-COV-2 Main Protease: an In Silico Approach ; [https:// doi.org/10.24198/ ijpst.v0i0.45864](https://doi.org/10.24198/ijpst.v0i0.45864)
- The 2 Mandala Waluya International Conference on Pharmaceutical Science and Practice**  (2023): Oral Presentation
- New Excipient For Simpler Tabletting And Coating Technology**  (2023): As A Participant
- 1 st Place, UHS Creative Virtual Competition 1.0**  (2022): Academic Writing
- Certificate Of Competence Badan Nasional Sertifikat Profesi**  (2021): Volumetric Analysis
- EPT Widyatama Certificate Of Achievement**  (2021): English Proficiency with value 617
- Top 50 Presenters Out Of 637 Papers**  (2019): Perancangan Alat Sederhana Penjernih Air Upaya Memenuhi Kebutuhan Air Bersih Pada Lokasi Bencana Banjir
- Young Scientists Competition 2019**  (2019): The Finalist Of Life Science