

CHAYRA ANNISA KURNIA

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Chemistry graduate from Universitas Padjadjaran (GPA 3.61/4.00) with hands-on experience as Laboratory Staff at PT Dymatic Chemicals Indonesia, focused on research and product development. Knowledgeable in GLP and certified in K3. Demonstrated academic excellence as Team Leader of a PIMNAS 2025 finalist project, and active as a presenter at international seminars. Experienced in organizational leadership as Head of External Relations at BE Himaka Unpad, strengthening communication and teamwork skills. Eager to contribute in laboratory and research fields, while remaining open to other opportunities to further grow as a professional.

EDUCATION

Universitas Padjadjaran Bachelor of Science (Chemistry) - GPA: 3.61 out of 4 - Final Project Research: Green Synthesis Optimization of Iron Nanoparticles Using Kepok Banana Peel Extract and Its Functionalization with Folic Acid.	Sumedang, Indonesia August 2022 – July 2026
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WORKING EXPERIENCES

Universitas Padjadjaran Research Assistant - Assisted in preparing manuscripts for review article and research papers intended for submission to international journals, with one manuscript successfully submitted at Q2-index journal https://doi.org/10.1016/j.cjac.2026.100720. - Contributed to the development of 3 research grant proposals and financial reports such as for Indonesian Science Fund (DIP) 2026 and Riset dan Inovasi untuk Indonesia Maju (RIIM) BRIN 2026.	Sumedang, Indonesia July 2026 – August 2026
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Laboratory Assistant at Analytical Chemistry and Separation - Managed the practicum for more than 200 students with module "Iron (Fe) Content Analysis in Water Samples Using Atomic Absorption Spectroscopy (AAS)." - Supervised another module practicum with hands-on use of instruments such as UV-Vis spectrophotometer, AAS, GC-MS, and HPLC-MS.	March 2026 – July 2026
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PT. Dymatic Chemicals Indonesia Internship Laboratory Staff Executed chemical application procedures on textiles requested by clients, such as rubberizing, scouring, dyeing, and finishing process. Involved in a stain-resistant fabric development project, including drug formulation, testing on fabric, and evaluation of the final product.	Bandung Barat, Indonesia January 2025 – February 2025
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ORGANIZATIONAL EXPERIENCES

Chemistry Fun Days Sponsorship Staff Established partnerships and manage consignment MoUs with companies such as PT Niaga Raya, PT Beam Mobility Indonesia, and Kojo Garmen, also Coordinated with internal teams to ensure fulfillment of partnership agreements.	Sumedang, Indonesia March 2023 – April 2024
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Badan Eksekutif Himpunan Mahasiswa S1 Kimia Universitas Padjadjaran Head of external relation - Organized company visits to PT Nippon Indosari Corpindo Tbk (Sari Roti) and PT Paragon Technology and Innovation for association members. - Built inter-campus collaborations visit with 7 universities (UI, UNS, IPB, Universitas Pakuan, UNAIR, UPI, and UIN Bandung), and managed a podcast program as part of the association's branding strategy.	Sumedang, Indonesia January 2023 – January 2024
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Olahraga dan Seni (OSEAN) FMIPA Unpad Head of Marketing - Led fundraising strategy combining merchandise upselling and direct sales, generated significant revenue through targeted marketing. - Engaging one-on-one outreach and built direct communication to secure sponsorship support.	Sumedang, Indonesia August 2023 – October 2023
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MIPA Bersatu (PKKMB FMIPA Unpad) Secretary - Managed administrative documentation and correspondence for the FMIPA student orientation program (PKKMB) attended by 500+ incoming students. - Coordinated meeting minutes, scheduling, and cross-division communication, ensuring accurate information flow throughout the program.	Sumedang, Indonesia July 2023 – August 2023
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COURSE AND CERTIFICATION

- Prediction TOEFL – Merry English (June 2026). Score: 527.
- ISO/IEC 17025:2017 Introduction Training (September 2025).
- General English Course – Boardicle (August–October 2024). Certificate of completion, General level.
- E-Learning on Occupational Health and Safety (K3) (June 2024).

ACHIEVEMENT

Poster Presenter at International Seminar

July 2026

Selected as Poster Presenter on Artificial Intelligence, Simulation, and Technology in Life Sciences 2026, communicating research findings on nanotechnology combine with AI simulation and molecular docking to a national scientific audience.

Oral Presenter at Seminar Nasional Kimia

June 2026

Selected as Oral Presenter at Seminar Nasional Kimia 2026, communicating research findings on nanotechnology-based diagnostic and therapeutic applications to a national scientific audience.

<https://bit.ly/OralPresenterSEMNAS2026>

International Journal Publication Q2-indexed

January 2026

Kurnia, C. Annisa, Kusmawidiyanti, N.A., Mastura, S., Ilham, M., Ghasani, A., Rahmani, A.A., & Fauzia, R.P. (2026). Green synthesis of folic acid-functionalized Fe₃O₄ nanoparticles using kepok banana peel: in vitro and in silico studies toward FR-positive cancer target. *Chinese Journal of Analytical Chemistry*, 54(4), 100720.

<https://doi.org/10.1016/j.cjac.2026.100720>

Finalist Pekan Ilmiah Mahasiswa Nasional (PIMNAS) 2025

May 2025 – November 2025

Led a research team to the final round of the 38th PIMNAS 2025 in Makassar, a program under Kemendikbudristek–Simbelmawa, selected from ~3,000 proposals nationwide. Secured Rp9 million in research funding for the proposed study "Utilization of Banana Peel Waste in the Synthesis of Folate-Functionalized Fe₃O₄ Nanoparticles for Early Detection of Folate Receptor-Positive Cancer."

SKILLS AND ADDITIONAL INFORMATION

Hard Skill	: Chromatography (GC-MS, HPLC, column, thin-layer); spectroscopy (UV-Vis, FTIR, AAS, Fluorescence); titration (acid-base, redox, complexometric, precipitation); gravimetric analysis; distillation (simple, fractional, vacuum, steam); pH meter.
Software	: Microsoft Office (Word, Excel, PowerPoint); Google Workspace (Docs, Sheets, Slides); Anaconda (Python); R; BIOVIA Discovery Studio; Molecular Docking (AutoDock/sejenisnya).
Soft Skill	: Time management; teamwork; leadership; communication; negotiation; problem solving.
Language	: Bahasa Indonesia (Native), English (Upper Intermediate — TOEFL Prediction: 527).
Interest	: Research and development, technical laboratory, quality control, green chemistry, nanotechnology.