

Yenni Finisia, S.Si., M.Si

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Results-driven Chemist with hands-on experience in Analytical Development and New Product Development within the pharmaceutical industry. Proven ability to develop and validate analytical methods, perform comprehensive testing (assay, impurities, dissolution), and support end-to-end product development from early research to regulatory submission.

Skilled in operating advanced analytical instruments including HPLC, FTIR, UV-Vis, XRD, and AAS, with a strong track record of delivering accurate, reliable data under tight timelines. Recognized for strong problem-solving, cross-functional collaboration, and the ability to translate scientific concepts into practical, high-quality solutions. Highly motivated to advance in R&D and Analytical Development, contributing to product innovation, process improvement, and successful commercialization.

WORK EXPERIENCE

PT. LAPI Laboratories	Feb 2026 – Now
<i>Analytical Development Officer (New Product)</i>	
- Develop and optimize analytical methods for new products (assay, impurities, dissolution, and physicochemical parameters). - Perform chemical and physical testing on samples from formulation to ensure product quality and compliance with specifications. - Conduct analytical method validation in accordance with regulatory guidelines (accuracy, precision, linearity, etc.). - Perform method troubleshooting using instruments such as HPLC and UV-Vis spectrophotometry. - Analyze and interpret analytical data to support product development activities. - Collaborate with formulation, QC, and regulatory teams to ensure smooth development through to commercialization. - Prepare and execute analytical method transfer to QC for routine production.	
Institut Teknologi Bandung – Bandung, Indonesia	August 2025 – Jan 2026
<i>Research and Development Material</i>	
- Conducting research, synthesis, and surface modification of sensor materials (e.g., MOF, nanomaterials, functional membranes, thin films) for tuberculosis (TB) diagnostic applications. - Developing and optimizing sensing membranes and microfluidic-compatible chips for TB biomarker detection. - Collaborating with PT One Ject Indo in the development of diagnostic components and integration strategies for point-of-care detection systems. - Working closely with biomedical and electronics teams to integrate developed materials into portable TB detection devices. - Designing and testing biosensor prototypes to assess performance metrics such as sensitivity, specificity, detection limit, and response time. - Participating in interdisciplinary innovation and prototyping efforts for the development of rapid, low-cost TB diagnostic tools.	
PT. Bio Farma Persero – Cikarang, Indonesia	Jan 2025 – Jul 2025
<i>Staff Task Force Production Cyclotron Internship</i>	
- Studied Radiation Safety Training, Quality Risk Management, Good Manufacturing Practices (GMP), CPOB (Cara Pembuatan Obat yang Baik) regulations issued by BPOM, cleanroom operations, aseptic techniques, and safety protocols in a radiopharmaceutical manufacturing environment - Gained an understanding of the mechanism of action of Fluorodeoxyglucose (18F-FDG) in PET-SCAN imaging, including its molecular mechanism and clinical applications. - Observed and learned the production and synthesis process of 18F-FDG using cyclotron-based technology, including radionuclide generation, nucleophilic substitution reactions, purification, and final formulation. - Supported documentation and administrative tasks related to facility development and production operations in the radiopharmaceutical unit.	
Chemistry Departement, Brawijaya University – Malang, Indonesia	2024
<i>Research Assistant</i>	
- Conduct an experiment on the synthesis of Metal-Organic Frameworks (MOFs) from M(II)-Pyrazine-Polycarboxylate (M(II)= Co(II) and Ni(II), Polycarboxylate= KNa-Tartrate and Terephthalic Acid) for remediation of phenolic compounds in waters” funded by the Department of Research and Community Service (DRPM) of Brawijaya University - Analyze the result of the characterization of M(II)-Pyrazine-Polycarboxylate MOF using FTIR, SC-XRD, SEM, SAA, TGA, UV-DRS, and VSM	

- Write scientific publications about research
- Handle all administrative and financial needs of research
- Participate in research collaboration with Monash University, Australia

Chemistry Departement, Brawijaya University – Malang, Indonesia

2023

Research Assistant

- Conduct an experiment on the synthesis of Metal-Organic Frameworks (MOFs) from Ni(II)-Terephthalate-Pyrazine using the solvothermal method
- Analyze the result of the characterization of Ni(II)-Terephthalate-Pyrazine MOF using FTIR, p-XRD, SEM-EDS, SAA, DTA-TGA, and UV-DRS
- Write scientific publications about research
- Handle all administrative and financial needs of research

Chemistry Departement, Brawijaya University – Malang, Indonesia

2020-2023

Laboratory Assistant

- Assisted in various undergraduate laboratory courses across Physical, Inorganic, Analytical, and Organic Chemistry labs.
- Responsibilities included preparing experiments, guiding students in operating instruments (such as AAS, UV-Vis, HPLC, and conductometers), writing pretest materials, evaluating student lab reports, and supervising final practical exams.
- Gained hands-on experience with key analytical techniques including spectrophotometry, chromatography, and kinetics experiments.

EDUCATION

Brawijaya University – Malang, Indonesia

August 2022 – July 2024

Master's Degree in Chemistry Science (3.94/4.00)

- Publish one reputable international scientific journals (Scopus/Q4)
 - Prananto, Y. P., **Finisia, Y.**, Tjahjanto, R. T. (2024). Synthesis and Characterization of Nickel(II) Complex with Terephthalate and Pyrazine Mixed Ligands by Solvothermal Method. *Key Engineerings Material*. DOI: 10.4028/p-qM4kN6
- Publish two reputable national scientific journals (Sinta 2 and sinta 3)
 - **Finisia, Y.**, Tjahjanto, R. T., Prananto, Y. P. (2024). Green Hydrothermal Synthesis of Ni(II)-MOF with Terephthalate-Pyrazine Mixed Ligands at Mild Condition. *J. Pure App. Chem. Res*. DOI: 10.21776/ub.jpacr.2024.013.02.6533
 - **Finisia, Y.**, Tjahjanto, R. T., Prananto, Y. P. (2024). Effect of Solvent on the Physical Properties of Nickel(II)-Terephthalate Complex Synthesized by Solvothermal Method. *Acta Chimica Asiana*. DOI: 10.29303/aca.v7i2.198
- Participate in an international conference (The 5th IC2MS 2023) as presenter
 - **Finisia, Y.**, Tjahjanto, R. T., Prananto, Y. P. (2023). Solvothermal Synthesis of Ni(II)-BDC-Pyrazine Complex: Effect of Solvent toward the Surface Morphology, Crystallite Size, and Yiemd of the Complex.
- Become a research assistant in non-lector doctoral grant research 2023
 - Prananto, Y. P., Tjahjanto, R. T., **Finisia, Y.** (2023). Diversification of Pore Size and Volume of Ni(II)-Terephthalate based Metal-Organic Frameworks (MOFs) Materials with the addition of Pyrazine Ligands using the Solvothermal Method. non-lecturer doctoral grant. Internal Funding of FMIPA Brawijaya University
- Become a research assistant in international collaborative research with Monash University 2024
 - Prananto, Y. P., Tjahjanto, R. T., Mulyasuryani, A., **Finisia, Y.** (2024). A. Modification of Metal-Organic Framework (MOF) Materials using Pyrazine-Polycarboxylate Ligands for Remediation of Phenolic Compounds in Waters. International Cooperation Research Scheme C. The Directorate of Research and Community Service (DRPM) Brawijaya University.
- Awardee BPPS FMIPA Scholarship 2022 from Brawijaya University

Brawijaya University – Malang, Indonesia

August 2017 – July 2021

Bachelor's Degree in Chemistry

- Publish one reputable national scientific journals (Sinta 2)
 - **Finisia, Y.**, Mutrofin, S., & Ponco Prananto, Y. (2022). Anion Effect and Ligand Preference in the Precipitation of Ni(II) Complex from Methanolic Solution: Case of Tartrate vs Pyrazine. *The Journal of Pure and Applied Chemistry Research*, 11(2), 128–135. <https://doi.org/10.21776/ub.jpacr.2022.011.02.670>
- Receive PKM 2020 funding

- Funded by student entrepreneurship by Brawijaya University with the theme "H&Mate innovation, scented rinse-free hand sanitizer"

SKILLS, ACHIEVEMENTS AND OTHER EXPERIENCE

Laboratory Skills: FTIR, p-XRD and SC-XRD, HPLC, GCMS, DTA-TGA, SAA, AAS, PSA, ICP, UV-Vis

TPA BAPPENAS: 544.9

TOEFL ITP: 507

Journals (2024): Accepted in Acta Chimica Asiana with the title "Effect of Solvent on the Physical Properties of Nickel(II)-Terephthalate Complex Synthesized by Solvothermal Method" (Sinta 3)

Journals (2024): Accepted in JPACR with the title "Green Hydrothermal Synthesis of Ni(II)-MOF with Terephthalate-Pyrazine Ligands at Mild Conditions" (Sinta 2)

Journals (2023): Accepted in Key Engineering Materials with the title "Synthesis and Characterization of Ni(II) Complex with Terephthalate and Pyrazine Mixed Ligands by Solvothermal Method" (Scopus/Q4)

Journals (2021): Published in JPACR with the title "Anion Effect and Ligand Preference in the Precipitation of Ni(II) Complex from Methanolic Solution: Case of Tartrate vs Pyrazine" (Sinta 2)

Webinar (2024): Exploration of ICP-AES Technique for Enhancement of Scientific Research

Webinar (2024): Metal Organic Frameworks: From Molecular Simulation into Industrial-Scale Implementation

Webinar (2023): X-Ray Diffractometer in Nanomaterials Research

Webinar (2023): Solid Material Characterization with FTIR