

MUSYFIRA SAHRA

[Pharmacist]

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ABOUT ME

Registered Pharmacist with a solid foundation in formulation development, drug delivery systems, and pharmaceutical quality principles. Experienced in scientific research, collaborative team environments, and national competitions. Committed to driving quality, innovation, and compliance in pharmaceutical operations through strong analytical skills, attention to detail, and effective communication.



EDUCATION

- **Pharmacist Program Student**, Hasanuddin University, Indonesia, 2025-2026
GPA 3.90/4.00
- **Bachelor of Science**, Hasanuddin University, Indonesia, 2021-2025
Graduated with GPA 3.32/ 4.00; Final project title: *"Luminar Capsule Microneedle as a New Innovation for Selective Liver Delivery of Sofosbuvir to Reduce the risk of Hepatocellular Carcinoma in Patients with Hepatitis C"*

PRACTICAL EXPERIENCE

- Industrial Pharmacist Intern, PT Daewoong Pharmaceutical Indonesia, Cikarang, Sep-Nov 2025, Supply chain Management (SCM)
 - ✓ Assisted in Material Requirement Planning (MRP), inventory control for raw materials/finished goods, and production planning workflows
 - ✓ Gained hands-on exposure to CPOB standards within industrial supply chain operations
- Community Pharmacy Intern, Apotek Plus Sinar Jakarta, Makassar, Des 2025
 - ✓ Performed prescription dispensing, drug consultation, and patient therapy monitoring
 - ✓ Managed pharmacy administration, FEFO/FIFO stock rotation, and storage condition control
- Pharmaceutical Distributor Intern, PT Rajawali Nusindo Cabang Makassar, Jan 2026
 - ✓ Applied CDOB guidelines for pharmaceutical receiving, cold chain storage monitoring, and distribution workflows
 - ✓ Reviewed purchase orders, batch traceability, and distribution documentation
- Hospital Pharmacy Intern, RSUD Daya Kota Makkasar, Apr-Mei 2026
 - ✓ Executed clinical pharmacy services, including drug therapy monitoring (PTO), prescription screening, and patient counselling
 - ✓ Evaluated drug storage, distribution systems, and inventory management
- Public Health Center Intern, Puskesmas Sudiang Raya, Makassar, Jun 2026
 - ✓ Managed primary care drug procurement, LPLPO administrative reporting, and inventory control
 - ✓ Conducted outpatient prescription screening, drug therapy assessment, and Patient Information Services (PIO)

RESEARCH EXPERIENCE (2023-present)

- **Research assistant**, Hasanuddin University, 2023
Research assistant in the field of “Development and validation of UV–Vis spectrophotometry-colorimetric method for the specific quantification of rivastigmine tartrate from separable effervescent microneedles: Ex vivo and in vivo applications in complex biological matrices”. Developed technical skills in: Formulation and characterization and Pharmaceutical analysis.
- **Research assistant**, Hasanuddin University, 2023
Research assistant in the field of “Rapidly separable-effervescent microneedles containing crosslinked PVA/PVP polymers for sustained transdermal delivery of rivastigmine tartrate: A promising approach for improved treatment of Alzheimer's disease”. Developed technical skills in: Formulation and characterization and Pharmaceutical analysis.
- **Research assistant**, Hasanuddin University, 2024
Research assistant in the field of “Application of Biomaterials in the Development of Enteric-Coated Luminal Capsule Microneedles for Selective Delivery of Sofosbuvir to the Liver: A Promising Treatment for Hepatitis C”. Developed technical skills in: Formulation and characterization and Pharmaceutical analysis.
- **Research assistant**, Hasanuddin University, 2024
Research assistant in the field of “Validation of spectrophotometric and colorimetric method for the specific quantification of sofosbuvir From luminal capsule microneedle in liver tissue through ex vivo and in vivo applications”. Developed technical skills in: Formulation and characterization and Pharmaceutical analysis.

PUBLICATION

- **Sahra, M.**, Fitrayani, N., Samma, A. A., Ko, C. K., Thios, F. V., & Permana, A. D. (2025). Application of Biomaterials in the Development of Enteric-Coated Luminal Capsule Microneedles for Selective Delivery of Sofosbuvir to the Liver: A Promising Treatment for Hepatitis C. *Molecular Pharmaceutics*.
- Hamdan, M. F., Ramadhani, N. N., Aziz, A. Y. R., **Sahra, M.**, Agrabudi, A. I., & Permana, A. D. (2024). Development and validation of UV–Vis spectrophotometry-colorimetric method for the specific quantification of rivastigmine tartrate from separable effervescent microneedles: Ex vivo and in vivo applications in complex biological matrices. *Journal of Molecular Structure*, 1303, 137589.
- Aziz, A. Y. R., **Sahra, M.**, Ramadhani, N. N., Hamdan, M. F., Agrabudi, A. I., & Permana, A. D. (2025). Rapidly separable-effervescent microneedles containing crosslinked PVA/PVP polymers for sustained transdermal delivery of rivastigmine tartrate: A promising approach for improved treatment of Alzheimer's disease. *Journal of Drug Delivery Science and Technology*, 104, 106560.
- Samma, A. A., Ko, C. K., **Sahra, M.**, Fitrayani, N., Thios, F. V., & Permana, A. D. (2025, May). Validation of spectrophotometric and colorimetric method for the specific quantification of sofosbuvir From luminal capsule microneedle in liver tissue through ex vivo and in vivo applications. In *Annales Pharmaceutiques Françaises* (Vol. 83, No. 3, pp. 529-545). Elsevier Masson.

SECURED FUNDING

- Student Entrepreneurship Program 2022, Hasanuddin University. With the title “MYCOMUNCH” (Leader of the team)
- Student Creativity Program 2023, Ministry of Research and Technology of the Republic of Indonesia. With the title “Innovative Separable-Effervescent Microneedles as a strategy for selective delivery of rivastigmine to the brain to improve the effectiveness of dementia control therapy in Alzheimer's disease” (Member of the team)
- Student Creativity Program 2024, Ministry of Research and Technology of the Republic of Indonesia. With the title “Luminar Capsule Microneedle as a new innovation in the selective delivery of Sofosbuvir to the liver to reduce the risk of Hepatocellular Carcinoma in patients with Hepatitis C” (Leader of the team)

AWARDS

- **Ministry of Research and Technology of the Republic of Indonesia** – 1st Place in Presentation Category of Exact Research Scheme on the 37th National Student Science Week (PIMNAS 37) – 2024
- **Ministry of Research and Technology of the Republic of Indonesia** – 2nd Place in Poster Category of Exact Research Scheme on the 37th National Student Science Week (PIMNAS 37) – 2024

TEACHING EXPERIENCE

- Hasanuddin University (2023-2025), Practicum assistant in practical classes:
 - ✓ “Basic Pharmaceutical” (16 practicum each year) – BSc Pharmaceutical Science, level 1
 - ✓ “Physical Pharmacy” (16 practicum each year) – BSc Pharmaceutical Science, level 2
 - ✓ “Solid Dosage Form” (16 practicum each year) –BSc Pharmaceutical Sciences, level 2
 - ✓ “Liquid and Semisolid Dosage Form” (16 practicum each year) –BSc Pharmaceutical Sciences, level 3
 - ✓ “Sterile Dosage Form” (16 practicum each year) –BSc Pharmaceutical Sciences, level 3

STUDENT ACTIVITIES

- Hospital Pharmacy Intern, Dr. Tadjuddin Chalid General Hospital, Makassar, January 20–31, 2025
- Leader of the KASTRAD Department, BEM KEMAFAR-UH, 2024 Term
- Leader of the Membership & Partnership Department of the UKM Pharmacy's House of Debate and English Community (Phd&Co), Faculty of Pharmacy, Hasanuddin University, 2024 Term
- Member of the Membership & Partnership Department of the UKM Pharmacy's House of Debate and English Community (Phd&Co), Faculty of Pharmacy, Hasanuddin University, 2023 Term
- Coordinator of the Fund & Business Division for the Reformulation of Attitudes, Ethics, and Mindset (RESEP), KEMAFAR-UH, 2021