

# CURRICULUM VITAE

## Tri Puspita Roska



### Personal Information

Phone Number : +6282210444719 | E-mail : [puspitaroska@gmail.com](mailto:puspitaroska@gmail.com) |  
Adress : Perumahan Griya Pesona Rinjani, Ampenan, Mataram |  
Place/Date of Birth: Bulukumba, Indonesia-September 16, 1996.

### EDUCATION

- 2021-2023** **Hasanuddin University, Indonesia**  
Master Degree sponsored by in-Country DAAD scholarship (Indonesia- German) (Focused study on Pharmaceutics and Pharmaceutical Science and Technology), graduated with **"Cum Laude"** and GPA **4.00** out of 4.00.
- 2020-2021** **Hasanuddin University, Makassar, Indonesia**  
Apothecary Profession Degree, graduated with **"Cum Laude"** and GPA **3.91** out of 4.00.
- 2015-2019** **Hasanuddin University, Makassar, Indonesia**  
Bachelor in Faculty of Pharmacy (Focused study on Pharmaceutical Science and Technology), graduated with **"Sangat Memuaskan"** and GPA **3.77** out of 4.00.

### RESEARCH PROJECT AND PUBLICATIONS

#### Q1 Scopus Indexed: "Development of chloramphenicol wound dressing protein-based microparticles in chitosan hydrogel system for improved effectiveness of dermal wound therapy"

- Elsevier: Biomaterials Advances Volume 143, December 2022, 213175, <https://doi.org/10.1016/j.bioadv.2022.213175>
- Author: **Tri Puspita Roska**, Sartini, Mukarram Mudjahid, Ardiyah Nurul Fitri Marzaman, Nana Novriana Payung Datu, Andi Dian Permana

#### Q1 Scopus Indexed: "Recent Advances in Pharmaceutical Approaches of Antimicrobial Agents for Selective Delivery in Various Administration Routes"

- MDPI: Antibiotics 12 (5): 822, 10.3390/antibiotics12050822 ( Published: 27 April 2023)
- Author: Ardiyah Nurul Fitri Marzaman, **Tri Puspita Roska**, Sartini Sartini, Rifka Nurul Utami, Sulistiawati Sulistiawati, Cindy Kristina Enggi, Marianti A. Manggau, Latifah Rahman, Venkatram Prasad Shastri and Andi Dian Permana

#### Q1 Scopus Indexed: "Development of chloramphenicol whey protein-based microparticles incorporated into thermoresponsive in situ hydrogels for improved wound healing treatment"

- Elsevier: International Journal of Pharmaceutics. 2022 Nov 25;628:122323. doi: 10.1016/j.ijpharm.2022.122323. Epub 2022 Oct 21. PMID: 36280222.
- Author: Ardiyah Nurul Fitri Marzaman, Sartini, Mukarram Mudjahid, **Tri Puspita Roska**, Anwar Sam, Andi Dian Permana

#### Q1 Scopus Indexed: "Enhancement in Site-Specific Delivery of Chloramphenicol Using Bacterially Sensitive Microparticle Loaded Into Dissolving Microneedle: Potential For Enhanced Effectiveness Treatment of Cellulitis"

- ACS Appl Mater Interfaces. 2022 Dec 28;14(51):56560-56577. doi: 10.1021/acsami.2c16857. Epub 2022 Dec 14. PMID: 36516276.
- Author: Mukarram Mudjahid, Firzan Nainu, Rifka Nurul Utami, Anwar Sam, Ardiyah Nurul Fitri Marzaman, **Tri Puspita Roska**, Rangga Meidianto Asri, Achmad Himawan, Ryan F Donnelly, Andi Dian Permana

**Q2 Scopus Indexed: “Hydrogel-Forming Microarray Patches–Mediated Transdermal Delivery of Telmisartan from Polyethylene Glycol Reservoir”**

- Springer : Journal of Pharmaceutical Innovation ( 20 May 2023). <https://doi.org/10.1007/s12247-022-09699-x>
- Author: Nana Novriana Payung Datu, Latifah Rahman, Ardiyah Nurul Fitri Marzaman, **Tri Puspita Roska**, Anwar Sam & Andi Dian Permana

**Q2 Scopus Indexed: “Lipid Complex-Itraconazole in Thermosensitive Mucoadhesive Vaginal Gel to Enhance the Effectiveness of Therapy for Vulvovaginal Candidiasis: Formulation, Optimization, Characterization, and Ex vivo Evaluation”**

- Springer : Journal of Pharmaceutical Innovation (22 May 2023). <https://doi.org/10.1007/s12247-023-09738-1>
- Muli Sukmawaty, Sartini, Andi Dian Permana, Mukarram Mudjahid, **Tri Puspita Roska** & Latifah Rahman

**Formulation of Chloramphenicol Microparticles Using Whey Protein in Hydrogels System as Wound Dressing: Characterization, evaluation and ex vivo study of skin infection model**

- Research grant of Penelitian Tesis magister Program by Ministry of Education, Culture, Research, and Technology of Republic of Indonesia (090/E5/PG.02.00/PT/2022).

**Q3 Scopus Indexed: “Antimicrobial Effect of Roselle (*Hibiscus sabdariffa* L.) Water Fraction against *Pseudomonas aeruginosa* using *Drosophila* Infection Model”**

- Biointerface Research in Applied Chemistry (11 (5) 12877-12885 January 2021), <https://doi.org/10.33263/BRIAC115.1287712885>
- Author: Andi Nurul Annisa, Masita Rahmasari, **Tri Puspita Roska**, Rudi Arfiansyah, Sartini, Moh. Natsir Djide, Harapan, Firzan Nainu.

**Q2 Scopus Indexed: “Protective signatures of Roselle (*Hibiscus sabdariffa* L.) Calyx Fractions against *Staphylococcus aureus* in *Drosophila* infection Model”**

- HAYATI Journal of Bioscience (24 (4):306-313, 2020) DOI: 10.4308/hjb.27.4.306
- Author: Firzan Nainu, M Natsir Djide, Subehan, Sartini Natsir, **Tri Puspita Roska**, Emil Salim, Takayuki Kuraishi.

**SINTA 3 indexed: “Synergetic Effect of Orange Peel Extract in Biocellulose Patch Toward Burn Wound Healing”**

- Galenika Journal of Pharmacy (ISSN: 2442-8744 Vol 4(2), 87-92 October 2018). •
- Author: **Tri Puspita Roska**, Syahidah Sahati, Andi Dinul Fitrah, Nana Juniarti ND

**Formulation of Biocellulose Wound Dressing fortified with Orange Peel Extract for Burn Therapy**

- Research grant of Student Creativity Program by ministry of research, education and technology 2018
- Project teams: Tri Puspita Roska, Syahidah Sahati, Andi Dinul Fitrah, Nana Juniarti Natsir Djide

**Innovation and Characterization of Honey Chemical Compounds produced by *Apis Mellifera* L. fed with Corn Hair Extract**

- Research grant of Student Creativity Program by Tanoto Foundation 2017.
- Project teams: Tri Puspita Roska, Syahidah Sahati, Jasmine I Hasan, Risdianti Rauf, Rangga M Asri

**Control of *Captotermes* sp. using Pinang Yaki Seed Peel ( *Areca Vestitaria* Giseke) Extract**

- Research grant in the Student Creativity Program from by Ministry of Research, Education and Technology 2016
- Project teams: Zulkahfi, Ali Bin Abithalib S, Tri Puspita Roska

**Formulation and Evaluation of Solid Dispersion Tablet of Ketoprofen-Citric Acid-PVP K30 using Ac-Di-Sol as Disintegrant**

- Final Research Project in Bachelor Degree Program
- Author: Tri Puspita Roska, Aliyah, Latifah Rahman.

## ACHIEVEMENT AND AWARDS

---

### **The best graduate of Faculty of Pharmacy in Period II (December 2019), Hasanuddin University**

- Faculty representative for the best graduate in Hasanuddin University with a good performance in both academic and length of study qualifications.

### **3<sup>rd</sup> Winner of Technology for Indonesia Competition 2019, Surabaya, Indonesia.**

- National Technology competition held by State Gas Company of Indonesia aims to provide a platform for researcher to present their innovation about technology, environment, health and medicine and renewable energy. The participants from 32 State Universities throughout Indonesia will be given a chance to present their project in front of juries who are experts in their fields.

### **Bronze Medal for Malaysia Technology Expo, Kuala Lumpur, Malaysia 2019.**

- MTE 2019 is three days' exposition and competition to promotes research products, which potentially solve global issues, existed today. It aims to strengthen research outcomes in the field of science and technology to help humankind in solving human life and environmental problems.

### **2<sup>nd</sup> winner of scientific writing competition (KOMPRESSI) 2019.**

- National scientific paper competition organized by Sekolah Tinggi Ilmu Farmasi Makassar (STIFA) with focused on "Solutions in the treatment of metabolic syndrome". The title of our paper is "NURIMAX-OLD: Innovation of bee pollen milk fortified with probiotics to prevent osteoporosis"

### **The 1<sup>st</sup> Winners of Best Students (Most Outstanding) Competition of Pharmacy Faculty, Hasanuddin University 2018**

- MAWAPRES or Best Student Competition is the selection for outstanding students of faculty of pharmacy with a high performance in both academic and non-academic. As the requirements, the students have a minimum GPA of 3.0 and show an excellent achievements at national or international levels. Leadership ability of student will be seen through participation in some organization and social activities.

### **2<sup>nd</sup> Winners for Miss Pharmacy Indonesia, Andalas University, Padang 2018**

- This competition held by the Indonesian Pharmacy Olympiad Committee in order event of Indonesian Pharmacy Olympiad (OFI) to select the most inspiring pharmacy students. Miss Pharmacy Indonesia will be given to three students who have a good contribution in promoting pharmaceutical issues.

### **Gold Medal for International Young Inventor Award, Bali 2018.**

- Innovation and invention competition organized by Indonesian Invention and Innovation Promotion Association, with 20 countries of participants. Our innovation, "DIFADIBLE: Anticaries edible film for disable", received an award as the best innovation in healthcare category.
- It aims to provide a platform for researchers to present their ideas in the field of science, healthcare and social issues.

### **Gold Medal for Japan Design International Exposition category Biotechnology and health, Tokyo, Japan 2018.**

- Three-day event for exhibition were organized by The World Invention Intellectual Property Associations and Chizal Corporation to promote research, science and technology innovation which potentially solve environment, healthcare, biotechnology and energy problems.

### **Gold Medal for IPITEX Thailand Inventor Day category Environment, Bangkok, Thailand 2018.**

- An international expo is set up for exhibiting the potential and interesting invention and innovation of international inventors that was organized by The National Research Council of Thailand to promote and support research, invention, innovation and technology transfer to related users in both the private and public sectors.

### **3<sup>rd</sup> Runner Up Kino Youth Innovator Award PT Kino Indonesia, Malang 2017.**

- The competition is open to all under-graduates students from universities in Indonesia. it held by Kino Indonesia company for creating innovation based on local heritage to promote Indonesian culture to global market.

### **Participant for The 6th Soedirman Science Competition Jendral Soedirman University, Purwokerto 2017.**

- Scientific paper competition held by "Unit Kegiatan Mahasiswa Keilmiah dan Penalaran", Jendral Sudirman University, with theme "Innovation and contribution of young generation in optimizing local potential to realize Indonesia based on SDGs 2030".

### **Participant for International Essay Competition PPI India 2016.**

- Essay competition organized by "Perhimpunan Pelajar Indonesia India", with theme "Innovation of education in Indonesia to improve"

### **The 1<sup>st</sup> Winners for Research and Creativity Competition by UKM KPI Unhas, 2015.**

- Scientific paper competition held by "Unit Kegiatan Mahasiswa Keilmuan dan Penalaran Ilmiah, Hasanuddin University"

## WORKING EXPERIENCES

---

### **Lecturer Assistant for Unhas Fly Research Group (UFRG), Hasanuddin University 2019.**

- UFRG is a research group in Faculty of pharmacy that develop a biological science research using *Drosophila melanogaster* as model organism to produce some promising results in efforts to discover drug candidates.
- As lecturer assistant has the task to assist the research processing using instruments, and accompanying the research process.

### **Extracurricular Teacher at Athirah Islamic School, Makassar 2018-2019.**

- Athirah Islamic School is one of favorite schools in South Sulawesi that has a vision to develop a learning system in class to equip students with personal and social skills.
- Extracurricular teacher has the task to develop student abilities in writing scientific paper, assisting the students to solve the problem in writing and presenting the scientific paper and coaching the students to participate in scientific writing competition.

### **Lecturer Assistant for Phamaceutic Laboratory, Faculty of Pharmacy, Hasanuddin University 2016-2018.**

- The laboratory aims to improve student soft skill related to the physical and chemical properties of medicinal substances, micromeritics, and drug stability.
- Several tasks of laboratory assistant are assisting laboratory coordinator in the process of recruitment and selection assistants, prepare practicum equipment, and accompanying practice during the practicum process.

### **Lecturer Assistant for Pharmaceutical Technology Laboratory, Faculty of Pharmacy, Hasanuddin University 2016-2018.**

- the laboratory aims to develop student soft skill in the field of solid, semi-solid and sterile drug formulations.
- Several tasks of laboratory assistant are assisting laboratory coordinator in the process of recruitment and selection assistants, prepare practicum equipment, and accompanying practice during the practicum process.

### **Lecturer Assistant for Pharmaceutical Technology Laboratory, STIFA, Makassar, 2018.**

- the laboratory aims to develop student soft skill in the field of liquid drug formulations.
- Several tasks of laboratory assistant are prepared practicum equipment before practicum begins, accompanying practice during the practicum process related to semi-solid and sterile dosage formulations and provide an assessment of practicum.

## LEADERSHIP AND VOLUNTEERING ACTIVITIES

---

### **South Sulawesi Delegates for Give2Asia Leadership Camp, Surabaya 2019.**

- Give2Asia Leadership Camp is leadership training program organized by Karya Salemba Empat Foundation in collaboration with Give2Asia company to form a professional and responsible leader in the future.

### **South Sulawesi Delegates for PGN Innovation & Leadership Camp, Cirebon 2019.**

- Leadership program organized by Karya Salemba Empat in collaboration with Indonesian Gas Company that was attended by students from 32 Universities in Indonesia.

### **South Sulawesi Delegates for Ekspedition of Archipelago, The Ministry of Maritime Affairs Indonesia 2017**

- Volunteering program organized by The Ministry of Maritime Affairs Indonesia whom select students from all over Indonesia to carry out the youth representative to implement their dedication in community services for 2 weeks in Rajuni Kiddi Island, Selayar Regency, Indonesia.

### **Supervisor for Paguyuban Karya Salemba Empat Community, Hasanuddin University 2018-2019.**

- Paguyuban Karya Salemba Empat is a community of students receiving Karya Salemba Empat Foundation scholarship. As supervisor has the task to provide an overview on the performance of KSE Unhas and to evaluate performance of KSE Unhas members every 3 months during management period.

### **Chairman of "CRITIS" Organization Faculty of Pharmacy, Hasanuddin University, Makassar 2017-2018.**

- Consociatio auri cogitantis (CRITIS) is youth organization that focus on research science and technology, especially for students of Faculty of Pharmacy. Consociatio auri cogitantis (CRITIS) has a vision to become scientific organization to strengthen the formation of student who professional and contributive.

**Coordinator of Research Department “UKM KPI” Organization Hasanuddin University, 2017-2018.**

- UKM KPI Unhas which is an organization engaged in the field of science and research at Hasanuddin University. The responsibilities of coordinator of the Research Division are provide training to members of UKM KPI Unhas in the fields of research, scientific article writing, public speaking, and paper presentation and with the team to coordinate the journal publication.

**Sterring Committee for Character Training, Faculty of Pharmacy 2018**

- Character Training is leadership program held by Keluarga Mahasiswa Badan Eksekutif Mahasiswa, Faculty of Pharmacy, Hasanuddin University

**Chairman of the committee Pharmaceutical Research and Science Competition (PRESCRIPTION), Hasanuddin University 2018.**

- PRESCRIPTION is national competition organized by Keluarga Mahasiswa Badan Eksekutif Mahasiswa, Faculty of Pharmacy, Hasanuddin University for three days that select the students to compete their contribution in the science and research.

**Volunteer for Indonesian Future Leaders 2017**

- Volunteering program held by Indonesian Future Leader that select the students to teach in one of primary school in Makassar.

I declare the details stated to be true and complete.

(CV update on 9 Juni 2023)



Tri Puspita Roka