

SERUMPUN 2025

(Scholarly Engagement for Regional Understanding and Multicultural Perspectives in Pharmacy – UiTM & Airlangga Nexus)

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SERUMPUN 2025, which was arranged by UiTM, officially started on 10 July 2025 with the arrival of students at the Faculty of Pharmacy, UiTM. We were introduced to lecturers and supervisors alongside several students. We also had the opportunity to explore the university campus and its facilities, including guided tours of several laboratories led by the UiTM lecturers. The day ended with the registration of the students to their designated dormitories.

On the 2nd day, 11 July 2025, students had the opportunity to attend a research student symposium featuring UiTM students presenting their completed Final Year Projects. The symposium showcased a wide range of projects across various disciplines of pharmacy, including clinical pharmacy, drug design and technology, pharmacogenomics, botanical pharmacy, and more. The day concluded with a closing and award ceremony to recognise distinguished students for their achievements.

On the third day, we visited the National Botanic Garden Shah Alam where we had the chance to experience the natural beauty of the area. Some students took part in outdoor activities such as the flying fox, while others explored the various sections of the garden on foot. Along the way, we encountered a variety of animals and visited several historical sites within the garden, making it both an educational and recreational experience. Since it was Sunday on the 13th of July, students had rest and continued their activities on the 14th with a lecture on cardiovascular diseases: hypertension, atrial fibrillation, and hyperlipidemia. After the lecture, students participated in a game which tested our comprehension regarding the topic of the lectures.



On the 15th of July 2025, students had a short lecture regarding polymerase chain reaction (PCR) followed by a hands-on laboratory demonstration. Students prepared their own samples and injected them into gels that had been pre-prepared by the lecturers. Later that day, they visited the UiTM library and joined a workshop on 3D printing, exploring its applications and influence within the pharmacy industry.

On the final day of the first week, students attended several lectures, beginning with fall management in geriatric patients, followed by a session on antibiotics and pharmacy enforcement in Malaysia and "Magnesium: The Forgotten Electrolyte".

On 17th of July 2025, students visited the UiTM University Hospital Al-Sultan Abdullah (HASA). At the Pharmacy Department, we learned about the entire process of drug distribution—from receiving medicines from the warehouse, managing and arranging them according to the formulary, and finally dispensing medications to patients. Students were also given access to specialised manufacturing laboratories, including the cytotoxic drug preparation lab and the total parenteral nutrition lab.

On 18th of July 2025, in preparation for the upcoming community engagement, we joined interactive sessions covering: "Providing Effective Fall Prevention and Nutritional Advice to Patients," "Tips for Conducting Effective Counselling and Medication Review," and "Preparation for Community Service." These sessions included presentations, quizzes, and practical training on how to conduct a medication review related to fall prevention in geriatric patients.



On 19th of July 2025, it's the day for the community development with 8 different stations, such as Registration & Pre-Assessment (STEADI 3 Key Question, knowledge survey, blood pressure measurement), Weight/Height/BMI Measurement, Education on Foods Rich in Vitamin D and Calcium, Bone Health Screening, Fall Prevention Exercise, Safe House Environment: Hazard Identification & Modification, Medication Review Related to Fall Risk Induced Drugs (FRID), and Post Evaluation (Post Survey) with goodie bag distribution. All students actively participated in running the stations. The event was both enriching and impactful, providing hands-on learning while engaging directly with the community.

On 21st of July 2025, the students explored the theme of digital health and telepharmacy through lectures and simulations. Topics included: Overview of Digital Health and Telepharmacy, Telepharmacy Services Around the World, Virtual Patient Counseling and Consultation, and Telepharmacy Medication Review. The session concluded with a telepharmacy simulation exercise and presentations of the results, reinforcing the principle that *"the best way of learning is by doing"*.

On 22nd of July 2025, the last day of the SERUMPUN program, the lecturers and students concluded the event with a Hike Along the Cadamba Trail to Puncak Cadamba. This activity also allowed the students to learn more about medicinal plants along the trail, enriching their knowledge of Malaysian herbal plants. After the hiking session, the closing event was held with a farewell lunch at the Faculty of Pharmacy, UiTM marking the conclusion of a highly enriching exchange experience

