



Universitas Airlangga
Faculty of Pharmacy



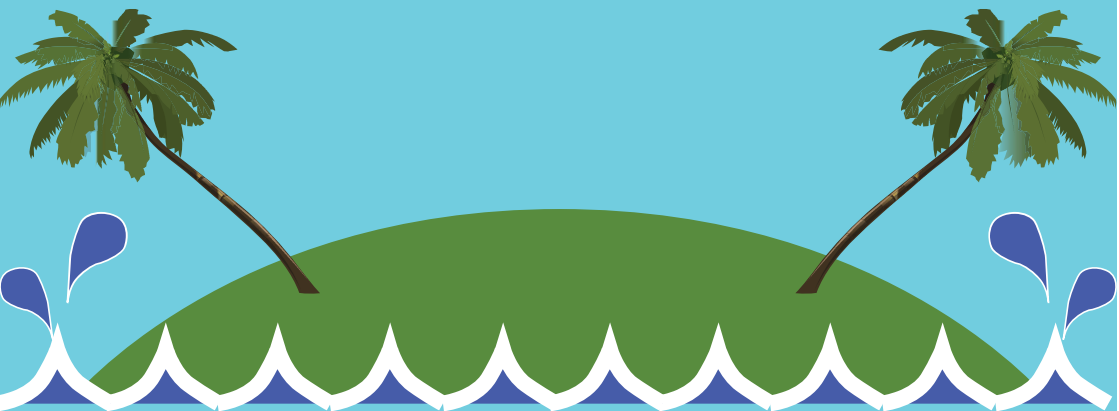
Short Exchange Program

Research on Indonesian Herbal Medicine

Research on Vaccine Delivery System

**Internship on Pharmaceutical Analysis
at Assessment Service Unit**

Experiencing Community Pharmacy in Indonesia



Research on Indonesian Herbal Medicine

Indonesia is rich of plants that can be explored and used for medication. For many years, herbal medicine has been on the forefront to be used outside the conventional medicine. Faculty of Pharmacy Universitas Airlangga is well-known for its commitment in developing herbal medicine through a long journey of research. In this program, participants will join in one of the on-going research projects on herbal medicine. They will be involved in the laboratory research activities such as extraction, identification, and activity assay of the plants.

Internship on Pharmaceutical Analysis at Assessment Service Unit

Assessment Service Unit is a part of Faculty of Pharmacy Universitas Airlangga and has been granted ISO 9001:2001 (year 2003) followed by ISO 9001:2008 (year 2011). This unit provides analytical service for pharmaceutical industry, small scale industry of traditional medicine, cosmetic companies, and also vegetables/shrimp exporters. In this internship program, participants will have training and opportunity to operate the analytical instruments as well as to analyze various types of samples such as cosmetics, drugs, and natural products under the supervision of trained analytical researchers. The certificate, which will be given by the end of the internship, would also support the capability of the participant as an independent analytical scientist who can work in highly regulated pharmaceutical industry.

Research on Vaccine Delivery System

In this program, participants will join in one of the on-going research projects on microencapsulation applications using natural polymers for oral or topical vaccine delivery. This project will aim to align with industrial processes as well as clinical needs. Participants will be involved in the on going laboratory research activities including in vitro preformulation and characterization; and in vivo activity assay based on immune responses. Participants will have not only research experience but also opportunity to have a joint publication.

Experiencing Community Pharmacy in Indonesia

One of the functions of pharmacist is in the community and the role of the pharmacist here is the most accessible to the public. Main activity in the community pharmacy is dispensing prescription or OTC services to guarantee patient safety. In this program, participants will be actively involved in each aspect of the community pharmacy services, including recognizing the pattern of diseases and patients in Indonesia. In addition, this program also offers unique experience in combining the local wisdom, which is traditional medicine, with the modern knowledge of the drug.



Program Venues

- Faculty of Pharmacy
Universitas Airlangga Kampus B
Jalan Dharmawangsa Dalam
- Assessment Service Unit
Universitas Airlangga Kampus B
Jalan Dharmawangsa Dalam
- Apotek Farmasi Airlangga
Jalan Dharmawangsa Surabaya

Program Benefits

- Research and training experience
- Field Trips: Mangrove Ecotourism and Urban Hydroponic*
- Cultural Trips
- Learning about Indonesian culture on weekend activity
- Certificate of Participation
- Possibility for joint publication

*) Destination subject to change

Program Fee

- Tuition fee waived
- Accomodation
- Cultural Trips

Timeline and Schedule

Application deadline	whole year
Program duration	1 month



Application Process/ Contact Person

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