

TOXICITY TEST USING ZEBRAFISH

Background

Toxicity screening is an important step in the development of new drug. Toxicity test are usually carried out using rat or mouse. Another alternative toxicity test can be done using zebrafish. Toxicity tests with fish or zebrafish embryos have been established in the OECD Fish Embryo Acute Toxicity/FET (2013) and Fish Acute Toxicity/FAT (2014) procedures. FET is an acute toxicity test performed on zebrafish embryos, while FAT is an acute toxicity test on zebrafish. In recent years zebrafish have been used as a model for toxicity tests. The advantages of toxicological testing with zebrafish include their small size, ease of husbandry and breeding, ease of reproduction (producing 100-200 eggs every 5-7 days, transparent embryo).

Time Schedule

Time	Activities	Venue
08.00-08.30	Registration and opening	Meeting Room
08.30-09.00	Opening and coffee break	Meeting Room
09.00-10.15	Session 1: Zebrafish as tools for drug discovery (Dr Indra Wibowo)	Meeting Room
10.15-11.30	Session 2: Fish Embryo Acute Toxicity (FET) Fish Acute Toxicity (FAT) (Dr apt Farida Hayati, MSi)	Meeting Room
11.30-12.00	Discussion	Meeting Room
12.00-13.00	Lunch Break and Sholat Dhuhur	Meeting Room
13.00-15.00	Hand on Workshop Fish Embryo Acute Toxicity (FET) and Fish Acute Toxicity (FAT) part 1	Pre Clinical Laboratory
15.00-15.30	Coffee break and Sholat Ashar	Pre Clinical Laboratory
15.30-16.30	Hand on Workshop Fish Embryo Acute Toxicity (FET) and Fish Acute Toxicity (FAT) part 2	Pre Clinical Laboratory
16.30-17.00	Evaluation and Closing	Pre Clinical Laboratory

This workshop will deliver in Bahasa and held offline.

Speaker and Committee:

1. Dr Indra Wibowo, (Institut Teknologi Bandung)
2. Dr apt Farida Hayati, MSi (Universitas Islam Indonesia)
3. Dr apt Arba Pramundita, MSc (Universitas Islam Indonesia)
4. apt Cyntia Astiti Putri, MSi (Universitas Islam Indonesia)
5. apt Dimas Adhi Pradana , MSc (Universitas Islam Indonesia)
6. drh Vinanta Dea (Universitas Islam Indonesia)
7. drh Wan Syarifah Faizah (Universitas Islam Indonesia)