THE INFLUENCES OF SNAKE-HEAD FISH (*Channa striata*)
EXTRACT ON PANCREATIC HISTOLOGY AND BLOOD GLUCOSE LEVEL OF HYPERGLYCEMIC WHITE-MICE (*Mus musculus*)

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Abstract.
Hyperglycemic conditions can cause tissue damage in the pancreatic islets of Langerhans. Albumin can regenerate tissue of pancreatic islets of Langerhans. Snake-head fish (*Channa striata*) extract contain of albumines so that researched about potential of snake-head fish extract to regenerate tissue of pancreatic islets of Langerhans of white-mice (*Mus musculus*) hyperglycemic.

Hyperglycemic of white-mice induced by alloxan single dose of 190 mg/kg body weight intraperitoneally. Therapy use snake-head fish extract conducted for 14 days with varying doses. Measurement of blood glucose level using glucometer of Roche Accu-Check®. Preparation of white-mice pancreatic histology with paraffin slices method staining with haematoxylin-eosin, observations were made with a microscope photography of Olympus® BX-41.

The results showed that the therapy of snake-head fish extract 0.14846 ml/day can regenerate tissue of pancreatic islets of Langerhans 68.78% and lowers blood glucose level 34.42% for 14 days.

Keywords : *Channa striata*, diabetic, blood glucose, pancreas