THE EFFECT OF MENIRAN EXTRACT (*Phyllanthus niruri* Linn.) AGAINST SGOT AND SGPT LEVEL OF WHITE RATS (*Rattus norvegicus*) INDUCED BY ALCOHOL.

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ABSTRACT

The purpose of this study was to determine the effect of meniran extract (*Phyllanthus niruri* Linn.) to decrease the levels of SGOT and SGPT in Wistar rats induced alcohol. The research has ben done on February, 24th 2014-April, 8th 2014 at Faculty of Medicine, University of Airlangga was continued at BBLK Surabaya, East Java. Twenty five male rats (*Rattus norvegicus* strain *Wistar*) aged 2-3 months with an average weight of 150-200 g. These animals were divided into five groups (P0, P1, P2, P3, and P4). P0 were treated with CMC Na 1% 1 ml/rats/day, P1 were treated with alcohol 25% 1 ml/rats/day, P2 were treated with extract of meniran 0,63 mg/rats/day and alcohol 25% 1 ml/rats/day and , P3 were treated with extract of meniran 2,7 mg/rats/day and alcohol 25% 1 ml/rats/day, and P4 were treated with extract of meniran 6,26 mg/rats/day.This research has been conducted for 21 days to determine the decrease in SGOT and SGPT levels. The data were compared using *ANOVA* test and *Tukey's* test. From the statistical test showed that the extract meniran not show significant differences ($p > 0.05$) towards decreased levels of SGOT and SGPT. In this study the variation in each treatment group were high and exposure to alcohol is too short. The results showed that the meniran extract did not show significant differences in the decrease in the levels of SGOT and SGPT in rats induced by alcohol.

Key words : *Phyllanthus niruri* Linn., alcohol, SGOT, SGPT.