ABSTRACT

SIDE EFFECT MONITORING OF ETHANOL 70% EXTRACT CAPSULE *Justicia gendarussa* Burm. f. LEAVES AS MALE CONTRACEPTION ON CLINICAL STUDY

Achmad Ridwan

In order to improving the role of husbands in a family planning program, it is required to develop such an effective and reversible contraception method, with no decreasing libido and the occurrence of toxicity caused by the usage on therapy dosage. According to previous researches, there are many plants with anti-fertility effects. One of them is *Justicia gendarussa* Burm. f. that been used by most of the people in Irian Jaya as a contraception drug for male. It contains flavonoid inhibiting spermatozoa-hyaluronidase enzyme.

The goal of this research is to monitoring the existence of side effect that appear from the giving of etanol 70% extract capsule of *Justicia gendarussa* Burm. f. leaves. This research is a descriptive research, and the instrument that is used is a questionnaire. 120 productive males were randomly divided into tree groups, those are group of dosage 1 (treated with capsule that contain 450.5 mg ethanol 70% extract *Justicia gendarussa* Burm. f.), group of dosage 2 (treated with capsule that contain 300 mg ethanol 70% extract *Justicia gendarussa* Burm. f.), and control group (treated with placebo capsule). Side effect data collecting performed at day 18, 36, 54, 72, and 144.

From the data analysis, it showed that side effect happened in all group treated with ethanol 70% extract capsule *Justicia gendarussa* Burm. f. and the most common side effect includes the increase of eating passion, light headache, sleep disturbance, getting sleepy easily, getting tired easily, increase of urinary frequency, dry at mouth and increase of libido.

**Keywords**: *Justicia gendarussa* Burm. f, clinical study, productive male, side effects, male contraception, questionnaire.