

## **ABSTRACT**

### **THE EFFECT OF BINAHONG LEAVES EXTRACTION (*Anredera cordifolia* (Ten) Steenis) IN 70% ETHANOL TOWARD ALT ACTIVITIES OF MALE RAT (*Rattus norvegicus*) OF *Sprague dawley* WHICH HAS INDUCED BY ETHANOL 50%**

**By**

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Liver is a body part for which metabolizes ethanol. This influences the raise of free-radical productions that effect to dysfunction liver tissues. The dysfunction itself is indicated by raise of ALT activities which, by that reason, necessarily to research on taking extraction of binahong leaves (*Anredera cordifolia*) toward rat's ALT which has been induced by ethanol.

This experiment explains an experimental research which applies controlled-random method during 14 days treatment to 25 rats that has been separated into 5 groups. During day 1-4, Kn and K+ provided with aquadest; and P1, P2, P3 provided with binahong extract dosed at 10, 20, and 30 mg/kgbw. At day 5 -14, Kn provided with aquadest, K+ with ethanol and P1, P2 and P3 with binahong extract dosed at 10, 20 and 30 mg/kgbw, and each followed by ethanol two hours later.

This research reports that there are significant differences in effects between Kn – K+, Kn – P1, Kn – P2, Kn – P3, K+ – P2 and K+ – P3. This shows us that binahong leave extraction dosed at 50 mg/kgbw will not suspend the raise of ALT enzyme, otherwise dosed at 100 mg/kgbw and 200 mg/kgbw will prevent the raise of ALT enzyme.

**Keywords:** ALT, *Anredera cordifolia*, ethanol