

## ***ABSTRACT***

### **Antidiabetic Activity Test of Dry Extract Combination of *Orthosiphon Stamineus* Leaves and Pericarp of *Garcinia Mangostana* on Mice Induced by Alloksan**

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The contents of high antioxidant shows the potential from pericarp of mangosteen extract as functional source to give some contributions preventing cardiovascular disease through hypoglycemia activity. Java Tea or cat whiskers is the original plant from Indonesia, which have been studied have properties lowering blood sugar levels. The combination of both is expected to become the preferred means of therapy in patients with DM. The purpose of this study was to analyze the influence of dry extract combination of *Orthosiphon's* leaves and pericarp of mangosteen on blood glucose of alloxan induced-mice (i.p.). The respective doses were given for 7 days and were evaluated in 7 days. Acquired data were analyzed by using *One Way* ANOVA test and for further analysis was used Post Hoc Test with LSD method Research shows that the combination of a dry extract with a ratio of 1: 1 and 1:2 (dose of 23.3 mg/kg body weight of mice) have antidiabetic activity with the percent decrease respectively by 32.02% and 37.07%. The dose with ratio 1:1 is the effective dose to decrease glucose level.

**Key words:** Antidiabetic, *Orthosiphon stamineus*, *Garcinia mangostana*, glucose level, dry extract.