

**THE EFFECT OF GIVING BLACK STICKY RICE STEEPING WATER
(*Oryza sativa* L. var *glutinosa*) TOWARDS DECREASE OF MICE (*Mus
Musculus*) BLOOD GLUCOSE LEVELS INDUCED BY ALLOXAN**

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ABSTRACT

This study to examine the decrease of blood glucose levels of mice (*Mus musculus*) that had been induced with 175 mg / kgBW Alloxan Tetrahydrate, so mice were obtained hyperglycemic then treated with black sticky rice steeping water (*Oryza sativa* L. var *glutinosa*). This study was divided into 5 groups, the K- group as a control group with normal mice who not given any treatment. The K+ group as a comparison group was treated using Glibenclamide at a dose 0.65 mg / kgBW. The P1, P2, and P3 groups of the mice were treated using black sticky rice steeping water (*Oryza sativa* L. var *glutinosa*) with a dose 250 grams / kgBW, 490 grams / kgBW, and 980 grams / kgBW. The study was conducted for 18 days, the results of the study were analyzed using One Way Analysis of Variance (ANOVA) and post hoc test Duncan's New Multiple Range Test (DMNRT) from the results of this research, found that black sticky rice steeping water can reduce blood glucose levels on mice (*Mus Musculus*).

Key words : Antidiabetic activity, Hyperglycemia, Black Sticky Rice, glibenclamide, Alloxan Tetrahydrate