



### ABSTRACT

Diabetes is one of the leading causes of morbidity in the country and many plants are currently screened for their hypoglycemic potential. The primary purpose of this study was to determine whether the two varieties of *Carica papaya* (Solo and Cavite Special) can significantly decrease the blood glucose level of alloxan induced albino rats after the administration of the aqueous extract of the fruit. 24 male albino rats were divided into three groups, all were injected with alloxan with a dose of 120 mg/kg body weight. For the administration of treatment, the 2 groups were given the *Carica papaya* aqueous extract with a dose of 250 mg/kg body weight/day. The one-way ANOVA showed that there was a significant difference in the blood glucose levels of the albino rats after the four weeks of treatment and the Tukey test showed that only the Cavite special variety shows a decrease with the blood glucose level of the albino rats compared with the control group and the Solo variety. Results also showed that the duration of treatment was not enough to return blood glucose level to normal.

**Keywords:** fruit extract, diabetes, hypoglycemic, Cavite special, Solo