EFFECTS OF *Actinidia deliciosa* Liang & Ferguson (KIWI FRUIT) ETHANOLIC EXTRACT ON THE BLOOD GLUCOSE LEVEL OF ALLOXAN – INDUCED DIABETIC MICE (*Mus Muculus*)

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SAIRA APRIL M. BARRIOS

JUSTINE R. SUMANGIL

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ABSTRACT

Diabetes mellitus is a chronic disease that impairs glucose homeostasis and its complications are becoming a serious threat to the health of mankind. Many medicinal plants provide a potential source of hypoglycemic drug; thus, the study was carried out to determine the potential of Actinidia deliciosa fruit extract on lowering the blood glucose level of alloxan-induced albino mice. Twenty-four (24) albino mice were divided into three groups: T0 (positive control), T0 (negative control), T1 (1ml) and were acclimatized for one week prior to alloxan induction to induce diabetes. Four weeks was alloted for administration of different treatments via oral gavage method. Blood samples were collected after alloxan induction, and after treatment through tail snipping method. Blood glucose level analysis revealed that the Actindia deliciosa fruit extract has no significant decrease on their glucose level.

Keywords: Diabetes mellitus, hypoglycaemic, flavonoids, insulin, phenols