THE EFFECT OF AQUEOUS BULB EXTRACT OF *Crinum ornatum*

ON FASTING BLOOD GLUCOSE LEVELS OF STREPTOZOTOCIN

INDUCED DIABETIC WISTAR ABINO RATS.

BY

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IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE

AWARD OF DEGREE OF BACHELOR OF SCIENCE (B.Se, HONS) IN

BIOCHEMISTRY

APRIL, 2017

**DECLARATION**

I Declare That This Project Work Represents My Original Work And Has Not

Been Previously Presented For Any Award Of Degree In Any University

However, Literatures Used Have Been Duly Acknowledged And Referenced.

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**CERTICATION**

We the undersigned, hereby certify that this research work was written by SULE, Abednego with 1Registration Number UE/27369/13 for as this meets the requirement for the award of the degree of Bachelor of Science in Biochemistry (B.Sc).

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External Examiner Date

**DEDICATION**

I dedicate this work to God Almighty, the beginning and the end.

**ACKNOLEDGEMNT**

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and God bless you all.

**ABSTRACT**

*The fasting blood glucose levels, lowering effect of crinum Ornatum bulb (250mg/kg and 50Omg/kg) was investigated on streptozotocin induce diabetic rats. Twenty five albino rats were separated into five (5) groups and each is with five albino rats. Group 1 and 2 were treated with 250mg/kg and 500mg/kg doses of crinum Ornatum bulb extract by oral administration for 14 days, while Group 3 was given a standard drug (glibenclamide). Group 4 was the normal control without diabetes induction. Group 5 serves as the negative control and was unttreated the rest dose of the extract caused a significant lowering of fasting blood glucose level in streptozotocin induced diabetic rats; from 14days (2weeks). The result indicates that the aqueous extract blub of crimum Ornatum has antihyperglycemic effect. Therefore, crinum Ornatum bulb is good option in the management of diabetes mellitus.*

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