



COMPARATIVE STUDY ON THE HYPOGLYCEMIC EFFECTS OF *Persea americana* var. *russell* (AVOCADO) AND *Musa paradisiaca* var. *latundan* (BANANA) FRUIT MIXTURES ON THE BLOOD GLUCOSE LEVEL OF TYPE I DIABETES MELLITUS-INDUCED RATS

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ABSTRACT

This study compared the hypoglycemic effects of *Persea americana* var. *russell* and *Musa paradisiaca* var. *latundan* on the blood glucose level of Type I Diabetes Mellitus-Induced Rats. Induction of diabetes was done through intraperitoneal administration of alloxan drug. Researchers prepared 50% of avocado and banana fruit mixtures. Gavage method was used to introduce the treatments on the rats as the positive control treatments were done for five weeks. After treatment, representatives of each treatment group were drawn blood for the final blood glucose reading. Results showed hypoglycemic activity of the 50% avocado fruit mixture was effective. All of the mixtures caused a general negative effect on the body weight. In conclusion, *Persea americana* (avocado) proved to be more effective than *Musa paradisiaca* (banana) on lowering the blood glucose level.



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