



**EFFECTS OF *Allaeanthus luzonicus* (Blanco) F. Vill. (HIMBABAO) LEAF  
EXTRACTS TO THE BLOOD CHOLESTEROL  
LEVEL OF ALBINO MICE**

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### ABSTRACT

The effect of different concentrations of *Alleanthus luzonicus* (Blanco) F. Vill. (Himbabao) leaf extracts on the blood cholesterol of albino mice was determined in this study. Thirty six (36) mice were used in the experiment and group into four treatments namely, T<sub>1</sub>- 25% himbabao leaf extract, T<sub>2</sub>. 50% himbabao leaf extract, T<sub>3</sub> - 75% himbabao leaf extract and T<sub>4</sub> - 100% himbabao leaf extract. All treatments were done in triplicates. Mice were subjected to a week of acclimatization. Thereafter, administration of buttered pellets for one week was performed to obtain the hypercholesterolimic condition of the mice. Different concentrations of himbabao leaf extracts were orally given to the mice for four weeks. Blood serum analysis was obtained using tail sectioning method and was analyzed through the use of digital cholesterol testing kit (Kernel MultiCheck). Results showed that *Alleanthus luzonicus* (Blanco) F. Vill. (Himbabao) leaf extracts can significantly reduce blood cholesterol ( $p \leq 0.05$ ). However, there is no significant difference in between various concentrations of the extract. The efficiency of the plant to reduce the blood cholesterol level of the mice can be due to phytochemical components such as dietary fiber, essential fatty acids, amino acids, vitamins and minerals.



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