



EFFECTS OF *Artocarpus odoratissimus* (MARANG) AND *Solanum mammosum* L. (TAGOTONG) LEAF EXTRACTS ON THE BLOOD CHOLESTEROL LEVEL OF ALBINO MICE (*Mus musculus*)

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De La Salle University - Dasmariñas
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ARIELLE LIN T. MEDENILLA
JANA BEATRIZ S. VILLEGAS

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ABSTRACT

The study entitled Effects of *Artocarpus odoratissimus* (marang) and *Solanum mammosum L.* (tagotong) Leaf Extracts on the Blood Cholesterol Level of Albino Mice (*Mus musculus*) assessed the hypocholesterlemic effect of marang and tagotong. The blood cholesterol level of the albino mice were acquired after the acclimatization period using the Kernel Multi-test device kit. After four weeks of treatment administration, their blood cholesterol levels were measured again. Twelve mice were randomly selected for each blood extraction, consisting of one mouse per replicate of all treatment groups. Four groups of albino mice were subjected to the different treatments (50% marang extract, 75% marang extract, 50% tagotong extract and 75% tagotong extract) which were introduced to their diet and consumed orally. After four weeks of treatment, the blood cholesterol level of the albino mice were obtained and compared to the results of the blood cholesterol levels after the acclimation period. The results showed that the 4th treatment had the highest recorded cholesterol level reduction difference of 43.333 mg/dL followed by the 3rd treatment with 25.000 mg/dL, 1st treatment with 14.000 mg/dL and 2nd treatment with 4.000 mg/dL. Statistical analysis showed no significant differences between these results.



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