

ABSTRACT

The study investigated the effects of *Terminalia catappa* L. (talisay) to the weight loss of albino rat (*Rattus rattus*) by using different level of concentration of talisay extract. Negative control (T₀) was supplemented with high fat diet whereas the other treatments were supplemented with high fat diet plus the different levels of concentration of talisay extract: T₁=10% talisay extract, T₂=20% talisay extract, T₃=30% talisay extract. The dosage of one fifth of the Lethal Dose (LD₅₀) of *Terminalia catappa* L. which was found out to be 46mg/kg was administered . It was found out that the test rats in 10%, 20% and 30% concentration in once a day dose of *Terminalia catappa* extracts showed loss of weight of *Rattus rattus* by 14.3g for T₁, -13g for T₂, and -13.7g for T₃. However, the test rats in 10%, 20% and 30% concentration in twice a day dose of *Terminalia catappa* extracts showed a higher decrease in the weight of *Rattus rattus* by 19.7g for T₁, 19.7 for T₂ and -20.8g for T₃. This only indicates that all of the test subjects exhibited weight loss except for the control group (T₀).

