ANTI-TUMOR POTENTIAL ACTIVITY OF *Wrightia pubescens*, Lanete puti CRUDE BARK EXTRACT INDUCED IN MALE *Mus musculus*, Albino mice

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ABSTRACT

The plant *Wrightia pubescens* has been used in different systems of traditional medication for the treatment of diseases of human beings. This plant was reported to contain various flavonoids, phenolic acids and alkaloids particularly Vinca Alkaloids. The bark of *W. pubescens* contains Vinblastine and Vincristine which are Vinca Alkaloids that possess antitumor properties. The effectivity of these components of the plant *W. pubescens* was tested in Albino mice using in vivo two-stage mouse carcinogenesis. There were four treatments used with 3 Albino mice per treatment with 2 replicates each: Control group, 30% Lanete crude bark extract group, 75% Lanete crude bark extract group, and a Positive Control group. After the experiment, the effectivity of the Lanete crude bark extracts were evaluated based on the number of skin tumors produced. It was shown that the Lanete crude bark extracts were effective in reducing the number of skin tumors. The 75% Lanete crude bark extract group was the most effective concentration in reducing the number of skin tumors. One-way ANOVA was the statistical tool used to verify the effectivity of the Lanete crude bark extracts with that of the Positive Control group. The 75% Lanete crude bark extract group showed no significant difference with the Positive Control group in terms of its antitumor properties. Therefore, the 75% Lanete crude bark extract group has the same efficacy with the Positive Control group in reducing the number of skin tumors.

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