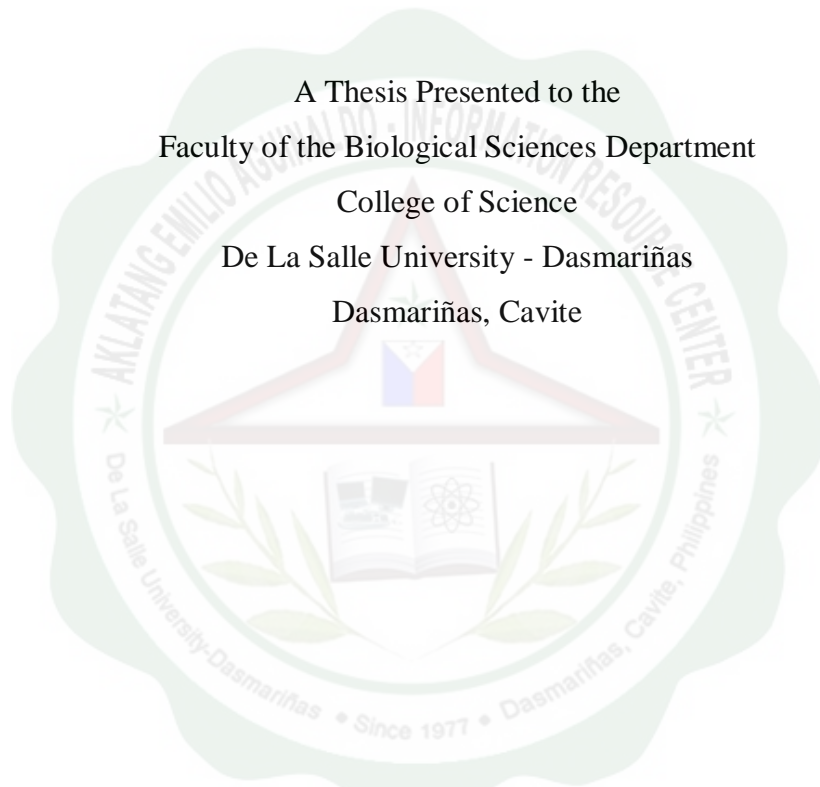




**CYTOTOXICITY TESTING OF *Laurus nobilis* L. (LAUREL) LEAF AND  
*Ixora coccinea* L. (SANTAN) FLOWER EXTRACT USING MTT ASSAY**

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### ABSTRACT

The study was conducted to test the cytotoxicity of *Laurus nobilis L.* leaf and *Ixora coccinea* flower extracts using MTT Assay. Both of the extracts contain flavonoids that promote lethality to cells. Fresh samples of leaves and flowers were procured from Tagaytay and Laguna, respectively. Crude extracts were then obtained from the samples then subjected to serial dilution for varying concentration. Preparation of white blood cells (leukocytes) was done followed by the administration of the different concentration of extracts. Incubation of the different treatment of cell cultures took place for 2 days (48hr) and the absorbance was read every 24hr. Statistically, there was significant difference ( $p > 0.05$ ) among the different concentration of laurel and santan extracts incubated in 24hr and 48hr. Using Tukey method, it was determined that after 48hr of incubation, only 100% concentration of laurel extract caused mortality to cells and all other treatments did not. In conclusion, both laurel and santan extracts promotes lethality to cells but at minimanl level only and at some point in time, allows regeneration and proliferation of cells. Thus, both of them can be a potential chemotherapeutic drug.