



**ANGIOGENIC EFFECT OF *Tridax procumbens* L. (COAT BUTTONS)
STEM AND LEAF EXTRACTS USING CHORIOALLANTOIC
MEMBRANE ASSAY**

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ABSTRACT

Angiogenesis is defined as the formation of new blood vessels. This study aimed to determine the angiogenic effect of different concentrations of *Tridax procumbens* crude leaf extract and crude stem extract to the 10-day old duck embryo and the significant differences on the number of blood vessel branch points with the different concentrations of *Tridax procumbens* Linn. between crude stem extracts and crude leaf extracts. *Tridax procumbens* Linn. is a wild plant, found as weed and native of tropical and naturalized in tropical Asia. In English popularly called “coat buttons”. The crude leaf extracts and crude stem extracts of *Tridax procumbens* (Coat buttons) are desired to be tested for angiogenic effects to the Chorioallantoic Membrane (CAM) of a 10-day old duck embryo. Samples were gathered from De La Salle University- Dasmariñas from April to October 2012 and interpreted using One-way Analysis of Variance (ANOVA). A total of 140 duck eggs were used in the study, having three treatments per plant sample, one control group and two replicates. Statistically, the 400ppm concentration of crude stem extracts of Coat buttons exhibited anti-angiogenic effect ($p < 0.05$) while no concentration of crude leaf extracts of Coat buttons were found to have angiogenic effects ($p > 0.05$).



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