THE ANGIOGENIC EFFECT OF THE GUYATIS (*Annona muricata X Annona squamosa*) SEED CRUDE EXTRACT IN THE CHORIOALLANTOIC MEMBRANE (CAM)

An Undergraduate Research Presented to the Faculty of the Biological Science Department College of Science and Computer Studies De La Salle University –Dasmarinas

In Partial Fulfilment of the requirements

for the Degree Bachelor of Science Major in Human Biology

Dancel, Jon-Kathleen S.

Epogon, Ariane Mae F.

March 2013

ABSTRACT

The increasing popularity of angiogenesis and its relation to cancerous tumors, studies have been conducted with regards to angiogenesis which is a physiological process involving the growth of new blood vessels from pre-existing vessels. Anonnaceae is a family for angiogenic studies. Guyatis has antimicrobial and antifungal activities which makes this plant promising for cytotoxity studies. In this study, the researchers extracted the seed of Guyatis and prepared different Concentration to identify at which level it will inhibit angiogenesis. The researchers prepared the concentration by drying the seeds and grind it to a powdery form. After a week, it was subjected into methanol and extracted it a week after using Rotavap. The researchers induced the extract to the CAM of an 8 day old chick and observed it after two days. Based on this study the result shows that the effects of different concentration i.e 150 ppm, 300 ppm and 600ppm on the chorioallantoic membrane (CAM) of duck inhibited angiogenesis. As the concentration was increased it showed a large decrease in the blood Vessels.

TABLE OF CONTENTS