



ABSTRACT

Angiogenesis, which is the formation of blood vessels normally occurs and affects normal and pathologic conditions. The study tested two plants in a 10-day old duck embryo for angiogenic activity using CAM assay. The leaves of *Artocarpus heterophyllus* Lam. (Langka) and *Artocarpus odoratissimus* Blanco (Marang) were the samples used where approximately 300g of each were collected. The leaves were extracted using mortar and pestle and different concentrations namely 100ppm, 200ppm, and 300ppm were obtained and administered on the test eggs. After 48 hours of incubation, CAM of test eggs was harvested and collaterals were counted. Results showed that both plant extracts showed anti-angiogenic activity indicated by a decrease in the number of collaterals. In the two plant samples, 300ppm of *A. odoratissimus* exhibited the highest inhibitory effect due to the presence of artosimmin in its crude leaf extract which is not present in *A. heterophyllus*.

Key words: Angiogenesis, *Artocarpus heterophyllus* Lam., *Artocarpus odoratissimus* Blanco, Langka, Marang