ABSTRACT

This study determined the effect of *Pandanus amaryllifolius* (Pandan) on the CAM of 10-day old chicken embryo. Thirty six (36) test eggs were used in the study. Four treatments were used namely: T_0= control group, T_1= 100ppm, T_2= 200ppm, T_3= 300 ppm. Three replicates were done for each treatment. Pandan leaves extract was administered in the 10-day old chicken embryos and were incubated again for two (2) days. Observation and counting of collaterals were done on the 12th day of incubation. Results showed that pandan leaves extract inhibit angiogenesis. T_0, had an average number of 33 collaterals, T_1= 100ppm with average of 20 collaterals per test egg, T_2= 200ppm with an average of 9 collaterals and T_3 =300ppm having the least number of 4 collaterals. There are significant differences on the angiogenic effects between the different concentrations. The eggs treated with the concentration of 300ppm have the lowest number of collaterals. Therefore as the concentration of pandan leaf extract increases, the number of collaterals decreases.