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Effectivity of Gynura procumbens Extract to Inhibit Vascular Endothelial Growth Factor (VEGF) Expression on New Blood Vessels of Chorioallantois Membran (CAM) Chicken Embryonal

Abstrak :

Angiogenesis is the new blood vessels formation normality and important on growth anddevelopment of individu. Angiogenesis also have contribution to carcinogenesis or uncontrolled andmalignant cancer cell development, become pathologic condition like inflammatory and infection. The purpose of this research for knew the effectivities of Gynura procumbens extract on various dose forinhibition VEGF expression. This research was done to effort cancer progress inhibition. However, angiogenesis is part of carcinogenesis causes. The Chorio Allantoic Membrane (CAM) methods wasused for this aim. Eggs at the age of nine days were divided into 6 groups. Group I were negativecontrol of vehicle, group II were zero treatment: 60 ng bFGF which aplicated into paper dish. Thenext four groups were extract of Gynura procumbens that divided in four dose: 60, 75, 90 and 110 µg+ bFGF 60 ng which applicated into paper dish. At the twelve days old, VEGF expression analysiswas done which imunohystochemical method with ant i VEGF’s ant ibody.

The result of this research showed that there was significant different (p<0.05) on give of Gynura procumbens extract to VEGF expression. The most significant VEGF inhibition by Gynura procumbens extract with dose 110 µg.The conclusion on this study was Gynura procumbens extract effective to inhibit the VEGF expression on CAM embrio chick.

Keyword :

Daftar Pustaka :

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