

OR-48**Cytotoxic Effects OF Ethanol Extract of *Cynometra Ramiflora* Linn of Steam Bark on Cancer Cell Lines**

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Cynometra ramnifolia Linn known as Sala plant, traditionally used as medicinal plant. This plant, especially in Solo City categorized as scarce plant. Community usually used this plant to cures uric acid, diabetes, hypertension, and others pain, but used of this plant not based on evidence. This activity has been used widely as a target to find anticancer medicine. In order to be scientifically proofed the activity, therefore, it is necessary to analyze directly on the cancer cell-lines. To identify the cytotoxicity effect of ethanol extract of *C. ramiflora* steam bark against cancer celllines. Methods: Cytotoxicity analysis of methanol extract isolated from *C.ramiflora* steam bark was carried out against HeLa, T47D and WiDR cancer cell-lines, and to normal rnononuclear cell. The level of cytotoxicity was determined by calculating the level of IC₅₀ which was based on the percentage of the cell death following the 24 hours incubation with the extract. It was demonstrated that this ethanol extract of steambark was cytotoxic to HeLa, T47D and WiDR cell-lines with the IC₅₀ of 17733.73, 10764.65 and 599.38 ppm respectively. The ethanol extract isolated from *C. ramiflora* steambark was demonstrated had a selective cytotoxicity effect, as indicated by the level of the IC₅₀ which was lower to HeLa, T47D and WiDR cell-line.

Keywords: *Cynometra ramiflora*, steambark, cytotoxicity, cancer cell-lines.
