LIMINARY PHYTOCHEMICAL SCREENING AND EVALUATION ANTHELMINTIC PROPERTY OF Embelia Ribes Burn. (IN VITRO)

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Belminthiasis is one of the most common parasitic infections worldwide. "Although antihelminthic drugs are used to treat helminthiasis, they were attributed to severe side effects. As a result, finding an alternative drug for the treatment of helminths from natural resources is inevitable. This study samed to evaluate the anthelmintic potential of *E.ribes* and its phytochemical composition. Decoction and methanolic extract of seed of *E.ribes* were prepared and subjected to in vitro scaluation of anthelmintic potential against earthworm (*Eisenia fetida*) by analysis the paralysis fine and death time. Furthermore, the presence of phytochemicals such as saponin, tannin, Caronoids, glycosides and terpenoids were screened.

interpolate that both decoction and methanolic extract of *E.ribes* exhibited anthelmintic against earthworms on concentration-dependent manner. Moreover, higher concentrations ecoction at 1/5 in dilution showed paralysis and death of the earthworm at 50.36±0.33 minutes 50.27±0.19 minutes, respectively. Whereas 2.5 mg/ml concentrations of methanolic extract bited paralysis and death of the worm at 60.20±0.33 minutes and 60.36±0.19 minutes, ectively. both decoction and methanolic extract contains saponin, tannin, flavonoids terpenoids. Results revealed that both decoction and methanolic extract of *E.ribes* exhibited elimintic activity against earthworms, however, further experimentation with other helminths at to be evaluated in the future.

words: Anthelmintic, Embelia ribes, Decoction Methanolic extract, Phytochemicals