



PHYTOCHEMICAL AND CYTOTOXICITY POTENTIAL OF
Epipremnum pinnatum L. (ARACEAE) ON
Artemia salina (BRINE SHRIMP)

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ABSTRACT

A plant under Araceae, *Epipremnum pinnatum* L. is a stout vine that is used as analgesic and astringent in the Philippines. The rhizome extract of the plant was tested for the presence of phytochemicals using standard tests. Varying dilutions of the rhizome extract were also tested for their cytotoxic potential on *Artemia salina* (brine shrimp). The phytochemical test results show medium intensity of phenols and high intensity of alkaloids. The plant extract was determined to be lethal on brine shrimp with 1:10 dilution showing the most cytotoxic potential with an LC_{50} value of $5.89\mu\text{g/mL}$. The results of the study can be used as reference for possible antifungal, antiseptic and anesthetic properties.

Keywords: Epipremnum pinnatum, Artemia salina, Phytochemical screening, Cytotoxicity Potential, LC_{50} .



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correctly conduct experiments by following the recommended or necessary procedures and interpret outcomes of the tests.



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