EFFECT OF ETHANOLIC CRUDE EXTRACT OF *Euphorbia hirta* (TAWA-TAWA) TO *Danio rerio* (ZEBRAFISH) EARLY EMBRYO DEVELOPMENT

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ABSTRACT

The effects of ethanolic crude extract of *Euphorbia hirta* (tawa-tawa) to the *Danio rerio* (zebrafish) early embryo development were observed. Three different concentrations of the ethanolic crude extract of the plant were induced to the zebrafish embryos after being collected and transferred to the well plates. The embryos were observed after 24hpf and after 144hpf. The lowest concentration of the ethanolic crude extract of the plant does not cause any malformations in the embryos both 24hpf and 144hpf. On the other two concentrations, malformations such as oedema, enlargement of the caudal region, and fin malformations was observed. These shows that on higher concentration the ethanolic crude extract of *Euphorbia hirta* (tawa-tawa) will cause malformations when induced in the *Danio rerio* (zebrafish) embryos.

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