

SKRINING FITOKIMIA DAN UJI TOKSISITAS EKSTRAK DAUN KATUK (*Saoropus androgenus* (L.) Merr.) TERHADAP LARVA UDANG ARTEMIA SALINA: POTENSI FITOFARMAKA PADA IKAN

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Abstract	<p>Phytochemical screening and Brine Shrimp lethality test of katuk leaves extract had been done against <i>Artemia salina</i> Leach. The aims of this study is to screen potentially bioactive extract of katuk leaves as an effort to find out the chemical substances responsible for the toxic effect. Katuk leaves (<i>Saoropus androgenus</i> (L.) Merr.) was extracted by ethanol 96%, to find the rendement of katuk leaf extract. Phytochemical screening was done qualitatively. The toxicity test was used experimental design with 4x3 treatments. The concentration extract 50 ppm, 100 ppm, 500 ppm and 1000 ppm, with 3 repetitions. Its effect was tested against <i>A. salina</i>, L (Brine Shrimp Test). The result of phytochemical screening showed that compounds in the extract of katuk leaves (<i>Saoropus androgenus</i> (L.) Merr.) contained of sterol after the addition of diethyl ether. Katuk leaf extract also contained phenol substance such as tannin, saponin and flavonoid. The result of the study shows that extract of katuk leaves (<i>Saoropus androgenus</i>) was toxic because it was able to kill more than 50% larva of <i>A. salina</i>, L at the concentration less than 1000 ppm. The LC50 of katuk leaves extract (<i>Saoropus androgenus</i> (L.) Merr.) was shown at 954.01 ppm.</p>
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