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Secondary Metabolites Screening and Acute Toxicity Test of *Peperomia pellucida*(L.) Kunth Methanolic Extracts

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Abstract : *Peperomia pellucida* (L.) Kunth. is a wild plant that can be found in various shaded and damp habitats in tropical and subtropical climate. Aerial part of this plant is traditionally used as a medicine in Indonesia such as dizziness, headache, fever, and stomach ache. This study aims to determine the content of secondary metabolites and acute toxicity of methanolic extracts of *Peperomia pellucida* (L.) Kunth herb. The methanolic extract obtained by gradual maceration using n-hexane and methanol. Secondary metabolites analysis by appropriate reagents showed that methanol extract contains flavonoids, tannins, and steroids. Acute toxicity tests performed in DDY mice showed that methanol extract LD₅₀ is greater than 4000 mg/kgBW. There was no sign of toxicity on the skin and hair, respiration system, defecation, feed intake and behavior up to 4000 mg/kgBW. At that dose, the extract did not cause mortality, influence growth, and liver damage.

Keywords : *Peperomia pellucida* (L.) Kunth, acute toxicity, methanol extract, LD₅₀.

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