

Research Title	Free radical scavenging activity and total phenolic content of crude extract from leaf of <i>Pluchea indica</i> Less.
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The aim of this study was to determine the antioxidant activity and total phenolic content of crude extract from leaf of *Pluchea indica* Less. The dried leaves of *P.indica* were extracted with 95% ethanol by a maceration technique. The yield of the crude extract was 67.08% of the dried weight of *P.indica* leaves. The *P.indica* extract exhibited the antioxidant activity in a dose-dependent manner at the EC₅₀ of 0.27±0.002 mg/mL compared with L-ascorbic acid used as a positive control, according to DPPH scavenging assay. The total phenolic content in the *P.indica* extract was 280.30±10.0 mgGAE/g extract, determined by Folin-Ciocaltue assay. For thin layer chromatography (TLC) analysis, the free radical scavenging activity of the *P.indica* extract demonstrates the hydrogen donating ability on reaction to the stable free radical which results in the decolouration of the DPPH free radical from purple to yellow and the phenolic compound in the extract found a quercetin.