



Standardization of Purified Extract Mahoni Seed and Antioxidant Activity

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Abstract: Indonesia has many plants that have been used for treating many diseases such as diabetic. One of the Indonesian plants has been shown the antidiabetic activity such as mahoni. In this study, we have investigated the standardization of the purified extract of the mahoni seeds and its antioxidant activity. The standardization methods include organoleptic test, determination of drying loss, determination of, total ash level, determination of acid-insoluble ash level, determination of water-soluble essence level, determination of ethanol soluble essence level, phytochemical profile test: alkaloid test, flavonoid test, phenolic test, saponin test, terpenoid, and steroid test. The results show the purified extract mahoni seed qualify as a raw material for herbal medicine and also has potential as an antioxidant IC₅₀ 33.86 ug/ml that compare with the standard.

Keyword: *antioxidant, standardization, Swietenia mahagoni (L.) Jacq, purified extract.*

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