

Phytochemical Analysis of Some Leguminosae Plants Used in Traditional Medicine

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Abstract

The preliminary phytochemical screening of twelve medicinal plants belonging of Leguminosae family from Lampung District was conducted. The plants were *Adenanthera pavonina* L., *Parkia speciosa* Hassk, *Erythrina fusca* Lour, *Tamarindus indica* L., *Saraca asoca* (Roxb.) Wilde, *Calliandra calothyrsus*, *Acacia mangium*, *Cassia siamea* Lamk, *Albazia falcataria* (L.) Fosberg, *Leucaena leucocephala*, *Mimosa pudica*, *Caesalpinia pulcherima*. The screening of the stembarks of these selected plants was carried out using standard methods for detection of the bioactive principles present in the plants such as tannins, flavonoids, terpenoids, saponins, steroids, and alkaloids. The presence of the various phytochemicals indicated the correlation of the potential used of these plants as traditional medicine.

Keywords: Leguminosae, Traditional Medicine, Preliminary, Screening, Phytochemical.