

Phytochemical screening of *Alstonia scholaris* (L.) R. Br.

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Abstract

The selected plant *Alstonia scholaris* (L.) R.Br. belongs to the family Apocynaceae. It is known as Taung Ma Yoe and widely distributed in Myanmar. In this study, the plant sample was collected from the Yangon University of Education Campus, Yangon Region during the period from April 2021 to July 2022. The present study highlights the pharmacogenetic studies on bark including parameters which are taxonomic, macroscopic, microscopic characters and Phyto-chemical properties. The dried bark powder of this plant was tested for the presence of various Phyto-chemical constituents which are glycosides, flavonoids, saponins, alkaloid, carbohydrate and steroid. The cyanogenic glycoside and tannin were absent in this test. On the other hand, continuous studies on the physicochemical properties (TLC profile) of these specimens were also examined for standardization of traditional medicine.

Key word: *Alstonia scholaris*, Morphology, Microscopy and phytochemical

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