

**ANTIOXIDANT ACTIVITY AND PHYTOCHEMICAL  
INVESTIGATION ON *PERESKIA BLEO* (KUNTH) D. C.**

**(JARUM TUJUH BILAH)**



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## ABSTRACT

Phenolic, flavonoid and tannin content of dried *Pereskia bleo* were investigated using the well established method via UV-Vis Spectrometry. *Pereskia bleo* has phenolic content the highest followed by flavonoid and tannin content. A study of antioxidant activities of dried sample of *Pereskia bleo* was carried out by using 2, 2-diphenyl-1-picrylhydrazyl (DPPH) assay. The plant shows moderate antioxidant activity. *Pereskia's* leaves from ethyl acetate extract showed the highest antioxidant activity (66.32 %) followed by *Pereskia's* leaves from methanol extract (61.76 %). The total phenolic content showed a good correlation with antioxidant activity but not the total flavonoid and tannin content.

Keywords: *Pereskia bleo*, Phenolic, Flavonoid, Tannin, 2,2-diphenyl-1-picrylhydrazyl (DPPH)

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