



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.2, pp 1079-1084,2017

Quantitative Analysis of Selected Secondary Metabolites in the Leaves and Flowers of *PogostemonQuadrifolius* (Benth.) F. Muell. (Lamiaceae)

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Abstract:*Pogostemonquadrifolius*(Benth.) is shrub used in folk medicine and it shows mosquito larvicidal, antimicrobial, anti cancerous and anti oxidant properties. The present study deals with the quantitative estimation of selected secondary metabolites; total alkaloids, saponin and tannin present in the leaves and flowers of the plant.The total alkaloid and saponin content is more in leaves (38.60 ± 0.58 mg/ g, 20.70 ± 1.25 mg/g) than flowers respectively.Tannin content is found high in the methanolic extracts of leaves (21.67 ± 2.65 mg GAE/gm) and flowers (16.59 ± 1.51 mg GAE/gm).

Key Words :*Pogostemonquadrifolius*, alkaloids, saponin, tannin, leaves, flowers.

Jisha M *et al*/International Journal of ChemTech Research, 2017,10(2): 1079-1084
