KOMPONEN KIMIA MINYAK ATSIRI DARI DAUN TIGA JENIS TUMBUHAN FAMILI MYRTACEAE ASAL DESA SOA DAN DESA SOTA (MERAUKE)

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ABSTRACT

An isolation of the leaves of Asteromyrtus sp., Melaleuca leucaleucadendron, M. angustifolia and M. leucadendron var. latifolia by steam distillation yielded 1.36, 1.02, 1.32 and 0.97% essential oils respectively. Their constituents were analyzed using two combination techniques, gas chromatography and mass spectroscopy (GCMS). Based on their compositions, the essential oils of Asteromyrtus sp., M. leucaleucadendron, M. angustifolia were considered acceptable for commercial essential oil production because of their potential source of cineole (65.11, 60.03, 82.43% respectively), while M. leucadendron var. latifolia was a very interesting source of methyleugenol (97.30%) which having attractant activity.

Keywords: Myrtaceae, Asteromyrtus sp., Melaleuca leucaleucadendron, M. angustifolia, M. leucadendron var. latifolia, essential oil constituents