

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

Yuliasri Jamal, Chairul dan Andria Agusta  
Laboratorium Treub  
Puslitbang Biologi-LIPI  
Jl. Ir. H. Juanda 22, Bogor-16122

### 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*