The preliminary study of volatile oil in *Melaleuca cajuputi* by GC-MS

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**Abstract:** *Melaleuca cajuputi*, commonly known as cajuput or white Samet, is a plant in the myrtle family, “Myrtaceae”. It is found in many areas of the south and east of Thailand. The leaves of *Melaleuca cajuputi* possess antibacterial, anti-inflammatory and anodyne properties. Essential oil is produced from the leaves by solvent extraction and steam distillation. The preliminary examination for the volatile oil components from Samet, was performed using gas chromatography-mass spectrometry (GC-MS) with electron impact (EI). The result of GC-MS analysis showed that Samet essential oil consists of 34 components in wetted leaves and 36 components in dried leaves.

**Keywords:** *Melaleuca cajuputi*, samet, GC-MS, Volatile oil