Determination of volatile oils in *Cymbopogon citratus* and *Eucalyptus globule* Labill

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**Abstract:** Steam distillation (SD) is the most widely used for extraction of the volatile oil from fruits, flower and plants. Essential oils from *Cymbopogon citratus* and *Eucalyptus globule* Labill were extracted from their leaves by steam distillation. The qualitative analysis using gas chromatography–mass spectrometry (GC-MS) was performed with a capillary column (HP-5MSI), when helium carrier gas was set at 1 mL/min. Temperature programmed was started at 60 °C increased at 3 °C/min maintained at 200 °C, increased at 15 °C/min and maintained at 280 °C for 5 min. The GC-MS analysis led to the identification of the essential oil extracts. The result from GC-MS analysis show *Cymbopogon citratus* essential oil consist of 24 components and *Eucalyptus globule* Labill consist of 30 components.

**Keywords:** Cymbopogon citratus; Eucalyptus globule Labill; essential oil; GC-MS