

**ESSENTIAL OILS IN PANDAN LEAVES (*Pandanus amaryllifolius*) AND
CURRY LEAVES (*Murraya koenigii*)**

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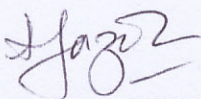
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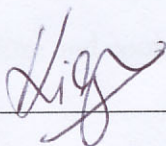
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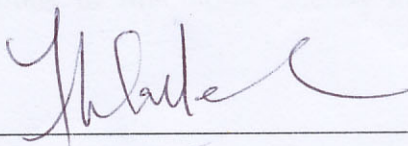
This Final Year Project Report entitle "ESSENTIAL OILS IN PANDAN LEAVES (*Pandanus amaryllifolius*) AND CURRY LEAVES (*Murraya koenigii*)" was submitted by Jerry Luhath Wan, in partial fulfillment of the requirements for degree of Bachelor of Science (Hons) Chemistry, in the Faculty of Applied Sciences, and approved by



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ABSTRACT

ESSENTIAL OILS IN PANDAN LEAVES (*Pandanus amaryllifolius*) AND CURRY LEAVES (*Murraya koenigii*)

The composition of the essential oils extracted by hydrodistillation from leaves parts of pandan (*Pandanus amaryllifolius*) and curry (*Murraya koenigii*) were analyzed by using gas chromatography-mass spectrometry (GC-MS). The major components in *Pandanus amaryllifolius* was 2-acetyl-1-pyrroline but in present study only the minor component was obtained which were cycloheptasiloxane and cyclohexasiloxane. The major components in *Murraya koenigii* based on the previous study have been done were α -pinene. Similar to *Pandanus amaryllifolius*, only the minor component were obtained where it was cyclohexanone. One of the major component was obtained (3,4-octadiene) but have a very low percentage area. The yields of oil for *Pandanus amaryllifolius*, and *Murraya koenigii* were 3.76% and 4.69% respectively.