

LIPID OF *ALOE VERA* FROM DIFFERENT
LOCALITIES IN TERENGGANU, MALAYSIA.

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LIPID OF *ALOE VERA* FROM DIFFERENT LOCALITIES IN TERENGGANU,
MALAYSIA

BY

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PUSAT PEMBELAJARAN DIGITAL SULTANAH NUR ZAHIRAH

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*Especially for mak, ayah, abang, abang long, angah, abang li, kak
anie, abang man, sulina, along, eiman and aliff,
.....thank you very much!!!*

kakak

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ABSTRACT

A research study was carried out on *Aloe vera*, a plant species which is commonly known as Pokok Lidah Buaya among the local people, 1) to compare composition percentage of lipid of the plant between 3 localities in Terengganu (district of Kuala Terengganu, Hulu Terengganu and Dungun) and 2) to compare composition percentage of lipid between young and old leaves of the plant from different localities. This research study was carried out at Planktonology Lab, Kolej Universiti Sains Teknologi Malaysia, Mengabang Telipot, Kuala Terengganu, Terengganu. It was found that there were differences of total lipid percentage (dry wt.) between localities, and young and old leaves of the plant. The total lipid percentage from Kuala Terengganu, Hulu Terengganu and Dungun were 1.21%, 4.90% and 0.95%, respectively. The old leaves of Kuala Terengganu showed 1.33% whereas young leaf revealed 3.00% from mg/g dry wt. of lipid.

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ABSTRAK

Suatu kajian telah dijalankan ke atas spesies *Aloe vera* atau lebih dikenali sebagai pokok Lidah buaya di kalangan penduduk tempatan, di Makmal Planktonologi, Kolej Universiti Sains dan Teknologi Malaysia, Terengganu. Kajian ini bertujuan untuk 1) membandingkan peratus komposisi lipid dan asid lemak dalam pokok *Aloe vera* di antara tiga lokasi di Terengganu (daerah Kuala Terengganu, Hulu Terengganu dan Dungun) dan untuk 2) membandingkan peratus komposisi lipid dan asid lemak di antara daun tua dan daun muda bagi pokok *Aloe vera*. Peratus kandungan lipid total (berat kering) didapati berbeza mengikut lokasi yang berlainan dan jenis daun yang dikaji. Peratus lipid total bagi Kuala Terengganu, Hulu Terengganu dan Dungun masing-masing ialah 1.21%, 4.90% dan 0.95%. Peratus lipid total bagi daun tua dari Kuala Terengganu ialah 1.33% manakala bagi daun muda pula ialah 3.00% dari mg/g berat kering lipid.

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