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Effects of citral on post-harvest diseases of wax apple, snake
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EFFECTS OF CITRAL ON POST-HARVEST DISEASES OF WAX APPLE,
SNAKE FRUIT AND LONGAN

By
Idayu binti Idris

Research Report submitted in partial fulfillment of
the requirements for degree of
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Department of Agrotechnology
FACULTY OF AGROTECHNOLOGY AND FOOD SCIENCE
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**FAKULTI AGROTEKNOLOGI DAN SAINS MAKANAN
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**PENGAKUAN DAN PENGESAHAN LAPORAN
PROJEK ILMIAH I DAN II**

Adalah ini diakui dan disahkan bahawa laporan ilmiah bertajuk:

EFFECTS OF CITRAL ON POST-HARVEST DISEASES OF WAX APPLE,
SNAK & FRUIT AND LONGAN

oleh IDAYU BINTI IDRIS, No.Matrik UK13059 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan AGROTEKNOLOGI sebagai memenuhi sebahagian daripada keperluan memperoleh Ijazah Sarjana Muda SAINS AGROTEKNOLOGI (TEKNOLOGI TERAPUTAI), Fakulti Agroteknologi dan Sains Makanan, Universiti Malaysia Terengganu.

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DECLARATION

I hereby declaration that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged.^o

Signature : 
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ABSTRACT

This study was conducted to determine suitability of citral for controlling post-harvest disease of wax apple, snake fruit and longan. It is found that citral inhibited the fungal growth of longan fruits. While citral treatment less effective in inhibition of fungal growth of snake fruits and wax apple. Citral had an antifungal activity against the fungal growth based on the qualities attributes such as disease of incidence and disease of severity. However, the citral treatment had no influence on pH, flesh firmness and total soluble solid (TSS) of the fruits. Benomyl inhibited the fungal growth of the snake fruit and longan fruits compared fruit treated with citral and Tween 20 as well as untreated fruit. However, benomyl treatment also had no effect on pH, flesh firmness and total soluble solid (TSS) of the fruits. This result suggests that citral can be used as biofungicide to replace benomyl against the fungal growth of longan fruits.