

EFFECT OF DIFFERENT PACKAGING MATERIAL ON OKRA  
(*Abelmoschus esculentus*) QUALITY AT  
DIFFERENT AMBIENT TEMPERATURE

PAVITRA S. S. JELANI

DEPARTMENT OF FOOD TECHNOLOGY AND FOOD SCIENCE  
UNIVERSITY OF GUYANA, GEORGETOWN

2000

CPM: G7406

1100066817



LP 13 FASM 1 2008



1100066817

Effect of different packaging material on okra (*Abelmoschus  
esculenus*) quality at ambient temperature / Fauzi Mohamed  
Jelani.

PERPUSTAKAAN SULTANAH NUR ZAHIRAH  
UNIVERSITI MALAYSIA TERENGGANU (UMT)  
21630 KUALA TERENGGANU

1100066817		

Lihat sebelah

HAK MILIK  
PERPUSTAKAAN SULTANAH NUR ZAHIRAH UMT

**EFFECT OF DIFFERENT PACKAGING MATERIAL ON OKRA  
(*Abelmoschus esculentus*) QUALITY AT AMBIENT TEMPERATURE**

**Fauzi Bin Mohamed Jelani**

**This project report is submitted in partial fulfillment of the requirement of the  
degree of Bachelor in Science Agrotechnology (Post Harvest Technology)**

**FACULTY OF AGROTECHNOLOGY AND FOOD SCIENCE  
UNIVERSITI MALAYSIA TERENGGANU**

**2008**

**1100Q66817**

## ABSTRACT

A study was carried out to determine the effect of using different packaging material on okra appearance quality (*Abelmoschus esculentus*), effect of okra storage time at an ambient temperature and as a direct application to the fresh market to reduce the storage losses. Okra was packed using plastic Polypropylene, plastic Polyethylene, newspaper and without packaging as a control. Effect of different packaging material can be variously seen in the weight loss which is closely related to the moisture loss, visual quality, fruit firmness and colour change. The use of Polypropylene and Polyethylene seem to extend the storage time to 5 days compare to newspaper and unpacked okra which only can stay for 2 days. There is significant different ( $P < 0.05$ ) in usage of plastic Polypropylene and Polyethylene as a packaging material to okra appearance quality compare to newspaper packaging and unpacked okra. Even though there is no significant different ( $P > 0.05$ ) between plastic Polypropylene and Polyethylene, the usage of Polyethylene on fresh produce was widely use than Polypropylene which the usage of the plastic was widely use in commercial product due to the properties and the price respectively.