

**POLITEKNIK KESEHATAN TANJUNGPINANG
PRODI DIPLOMA TIGA TEKNOLOGI LABORATORIUM MEDIS
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**Gambaran Cemarkan Jamur *Aspergillus spp* Pada Lada Yang Dijual Di Pasar
Pasir Guntung Bandar Lampung**

xiv + 28 halaman, 8 tabel, 10 gambar, 10 lampiran

ABSTRAK

Di Indonesia, lada banyak digunakan masyarakat dan mudah ditemui di pasar tradisional. Suhu, kelembaban dan kemasan pada lada yang tidak sesuai akan menyebabkan lada mudah terkontaminasi oleh jamur *Aspergillus spp*. Salah satu racun berbahaya yang dihasilkan oleh *Aspergillus spp* adalah aflaktosin. Aflaktosin bersifat karsinogenik dan hepatotoksik. Tujuan Penelitian ini adalah untuk mengetahui ada tidaknya jamur *Aspergillus spp* dan mengetahui persentase masing-masing spesies jamur *Aspergillus spp* pada lada yang dijual di Pasar Pasir Guntung Bandar Lampung. Jenis penelitian ini deskriptif dan jumlah sampel dalam penelitian adalah 16 sampel lada yang dijual di Pasar Pasir Guntung Bandar Lampung. Metode pemeriksaan yang dilakukan adalah secara makroskopis dan mikroskopis. Analisis data yang digunakan adalah univariat. Hasil penelitian dari 16 lada, didapatkan yang tercemar jamur *Aspergillus spp* sebanyak 68,75% dan lada yang tidak tercemar jamur *Aspergillus spp* 31,25%. Spesies jamur yang terdapat dalam lada didapatkan 18,18% tercemar *Aspergillus flavus*, 54,55% tercemar *Aspergillus fumigatus*, 63,64% tercemar *Aspergillus niger*, dan 36,36%, tercemar *Aspergillus terreus*. 8 toko yang memiliki suhu diatas rata-rata 75% tercemar *Aspergillus spp*, 8 toko yang memiliki suhu dibawah rata-rata 62,5% tercemar *Aspergillus spp*, dan 8 toko yang memiliki kelembaban diatas rata-rata 87,5% tercemar *Aspergillus spp*, 8 toko yang memiliki kelembaban dibawah rata-rata 50% tercemar *Aspergillus spp*.

Kata kunci : *Aspergillus spp*, Lada, Cemarkan
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**Description Of *Aspergillus spp* Fungus On Lada Which Sold In Pasir Gintung
Market Bandar Lampung**

xiv + 28 pages, 8 tables, 10 pictures, 10 attachments

ABSTRACT

In Indonesia, pepper is widely used by the community and is easily found in traditional markets. Temperature, humidity, and packaging on pepper that are not suitable will cause pepper to be easily contaminated by *Aspergillus spp*. One of the harmful toxins produced by *Aspergillus spp* is aflatoxin. Aflatoxins are carcinogenic (causing cancer) and hepatotoxic (causing liver damage). The purpose of this study was to determine the presence or absence of *Aspergillus spp* and to determine the percentage of each species of *Aspergillus spp* on pepper sold at the Pasir Gintung Market, Bandar Lampung. This type of research is descriptive and the number of samples in the study was 16 pepper samples which were sold at the Pasir Gintung Market, Bandar Lampung. The method of the examination carried out is macroscopic and microscopic. The data analysis used is univariate. The results of the study of 16 peppers, found that 68,75% were contaminated with *Aspergillus spp* 31,25% were not contaminated with *Aspergillus spp*. The fungal species found in pepper were found to be 18.18% contaminated with *Aspergillus flavus*, 54,55% contaminated with *Aspergillus fumigatus*, 63,64% contaminated with *Aspergillus niger*, and 36.36%, contaminated with *Aspergillus terreus*. 8 shops with temperatures above the average of 75% contaminated with *Aspergillus spp*., 8 shops with temperatures below the average of 62,5% being contaminated *Aspergillus spp*., and 8 shops having humidity above the average of 87,5% contaminated with *Aspergillus*.

Keywords : *Aspergillus spp*, Peppers, Contamination
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