

**POLITEKNIK KESEHATAN TANJUNG KARANG
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Cemaran Jamur *Aspergillus sp* Pada Paru-Paru Ayam Broiler (*Gallus domesticus*) Yang di Jual di Pasar Tempel Way Dadi Kota Bandar Lampung

xiv + 27 Halaman, 15 gambar, 3 tabel, dan 17 lampiran

ABSTRAK

Jamur *Aspergillus sp.* merupakan jamur berspora yang mudah tersebar di udara. Spesies *Aspergillus sp.* yang menimbulkan penyakit patogen pada manusia adalah *Aspergillus flavus*, *Aspergillus fumigatus*, *Aspergillus niger*, dan *Aspergillus terreus*. *Aspergillus sp.* dapat menghasilkan aflatoksin. Dimana aflatoksin mempunyai daya racun yang sangat tinggi sehingga dapat mengakibatkan kerusakan hati dan organ pada manusia. Tahun 2004 di Kenya, terdapat wabah aflatoksikosis akut akibat makanan yang tercemar aflatoksin yang tinggi dan menyebabkan 400 kasus kematian. Tahun 2002 kasus aspergillosis pada ayam broiler di Turkey ditemukan sebanyak 48 anak ayam memiliki tanda seperti terinfeksi penyakit aspergillosis yang menyerang paru-paru, mata, kantung udara dan otak kecil. Tujuan penelitian adalah untuk mengetahui persentase paru-paru ayam broiler yang tercemar jamur *Aspergillus sp.* yang dijual di Pasar Tempel Way Dadi Kota Bandar Lampung dan mengetahui persentase dari spesies cemaran jamur *Aspergillus sp.* pada paru-paru ayam broiler. Penelitian ini bersifat deskriptif. Populasi merupakan sampel yang jumlahnya 22 sampel paru-paru ayam broiler yang dijual di Pasar Tempel Way Dadi Kota Bandar Lampung. Analisis data yaitu univariat. Hasil penelitian didapatkan bahwa persentase paru-paru ayam broiler yang tercemar *Aspergillus sp.* adalah 54,5% dan persentase spesies cemaran jamur yang terdapat yaitu *Aspergillus niger* sebesar 41,66%, *Aspergillus fumigatus* 25%, *Aspergillus flavus* 8,33%, *Aspergillus niger* bersama *Aspergillus fumigatus* 8,33%, dan *Aspergillus niger*, *Aspergillus fumigatus*, serta *Aspergillus flavus* 16,66%

Kata Kunci : *Aspergillus sp.*, Paru-Paru Ayam Broiler, Pasar Tempel Way Dadi

Daftar Bacaan : 37 (2002 – 2021)

TANJUNG CORAL HEALTH POLYTECHNIC
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Aspergillus sp. contamination in the lungs of broiler chickens (*Gallus domesticus*) sold at the Way Dadi Paste Market, Bandar Lampung City

xiv + 27 pages, 15 pictures, 3 tables and 17 attachments

ABSTRACT

Aspergillus sp. is a spore fungus that is easily dispersed in the air. *Aspergillus* sp. that cause pathogenic diseases in humans are *Aspergillus flavus*, *Aspergillus fumigatus*, *Aspergillus niger*, and *Aspergillus terreus*. *Aspergillus* sp. can produce aflatoxins. Where aflatoxin has a very high toxicity so that it can cause liver and organ damage in humans. In 2004 in Kenya, there was an outbreak of acute aflatoxicosis due to food contaminated with high aflatoxins and caused 400 deaths. In 2002 cases of aspergillosis in broiler chickens in Turkey were found as many as 48 chicks had signs such as being infected with aspergillosis disease that attacks the lungs, eyes, air sacs and cerebellum. The purpose of this study was to determine the percentage of broiler lungs contaminated with *Aspergillus* sp. which are sold at the Way Dadi Tempel Market, Bandar Lampung City and find out the percentage of *Aspergillus* sp. in broiler chicken lungs. This research is descriptive. The population is a sample of 22 samples of broiler chicken lungs sold at the Way Dadi Tempel Market, Bandar Lampung City. Data analysis is univariate. The results showed that the percentage of broiler lungs contaminated with *Aspergillus* sp. was 54.5% and the percentage of fungal contamination species that were *Aspergillus niger* was 41.66%, *Aspergillus fumigatus* 25%, *Aspergillus flavus* 8.33%, *Aspergillus niger* with *Aspergillus fumigatus* 8.33%, and *Aspergillus niger*, *Aspergillus fumigatus*, and *Aspergillus flavus* 16.66%

Keywords : *Aspergillus* sp., Broiler Lungs, Pasar Tempel Way
Father

Reading List : 37 (2002 – 2021)