

ABSTRAK

Candida albicans adalah salah satu jamur penyebab infeksi pada kuku yang disebut *Candidiasis*, gangguan ini biasa terjadi karena kurangnya kebersihan di area kuku, terutama diujung kuku. *Candidiasis* dapat menyebabkan rasa tidak nyaman. Penelitian ini bertujuan untuk mengetahui ada tidaknya jamur *Candida albicans* pada kuku kaki pekerja kebun sayur. Jenis penelitian ini adalah *deskriptif Cross sectional*. Metode penelitian dengan kultur pada media *Potato Dextrose Agar* (PDA), dan diidentifikasi dengan *Test Germ Tube*. Hasil pemeriksaan dilihat dibawah mikroskop dengan perbesaran 10x dan 40x. Telah dilakukan pengambilan bahan kerokan kuku kaki pekerja kebun sayur di Kabanjahe tahun 2022 dan dilakukan kultur di Laboratorium Biologi Fakultas Ilmu Kesehatan Universitas Sari Mutiara Indonesia Medan. Penelitian ini dilaksanakan pada bulan Februari 2022 sampai Mei 2022. Kriteria yang diambil yaitu kuku rapuh, membusuk, dan berwarna kekuning-kuningan hingga kehitaman. Berdasarkan hasil yang diperoleh dari penelitian sebanyak 10 sampel yang diperiksa, sebanyak 2 orang (20%) ditemukan *Candida albicans* dan 8 orang (80%).tidak ditemukan *Candida albicans* tetapi ditemukan jamur lain *Aspergillus flavus* dan *Aspergillus niger*.

Kata Kunci : Jamur, *Candida albicans*, Kuku kaki



ABSTRACT

Candida albicans is one of the fungi that causes infection in the nails called *Candidiasis*, this disorder usually occurs due to lack of cleanliness in the nail area, especially at the tips of the nails. *Candidiasis* can cause discomfort. This study aims to determine the presence or absence of the fungus *Candida albicans* on the toenails of vegetable garden workers. This type of research is descriptive cross sectional. The method of examination is culture on Potato Dextrose Ager (PDA), and identified by the Germ Tube Test. The results of the examination were viewed under a microscope with a magnification of 10x and 40x. The toenail scrapings of vegetable garden workers have been taken in Kabanjahe in 2022 and the culture has been carried out at the Biology Laboratory, Faculty of Health Sciences, Sari Mutiara Indonesia University, Medan. This research was carried out from February 2022 to May 2022. The criteria taken were brittle nails, rotting, and yellowish to blackish in color. Based on the results obtained from the study as many as 10 samples were examined, as many as 2 people (20%) found *Candida albicans* and 8 people (80%) *Candida albicans* was not found but found other fungi *Aspergillus flavus* and *Aspergillus niger*.

Keywords: *Fungus, Candida albicans, Toenails*

