

Fungi Endofit Pada Berbagai Tanaman Berkhasiat Obat Di Kawasan Hutan Evergreen Taman Nasional Baluran Dan Potensi Pengembangan Sebagai Perangkat Pembelajaran Pada Mata Kuliah Mikologi

Siti Murdiah¹⁾ 1Pendidikan Biologi FKIP Universitas Jember email:
murdiah_st.fkip@unej.ac.id

Abstract

Endophytic fungi found on a variety of medicinal plants may express particular benefit. These fungi provide an alternative to overcome the progressive microbial resistance and as an effort to combat infectious diseases that became one of the leading causes of mortality. The main objective of this study was to isolate endophytic fungi from leaf samples of five medicinal plants species collected from evergreen forests Baluran National Park. Research findings showed there were 3 isolates of endophytic fungi isolated from 2 medicinal plants namely Kesambi (*Schleicera oleosa*) and Ketapang (*Terminalia catappa*). All three isolates formed sporangiophores as asexual reproductive structures, while the structure of sexual still undiscovered therefore its classification has not determined. The validity tests also showed that the lab manual is feasible for use with the percentage achievement 85.37% and 88.56%.

Keywords: endophytic fungi, isolation, medicinal plant.