

KERAGAMAN CENDAWAN ENTOMOPATOGEN PADA RIZOSFER TANAMAN GANDUM (*Triticum aestivum* L.)

Abstrak

Penelitian tentang keragaman cendawan entomopatogen pada rizosfer tanaman gandum (*Triticum aestivum* L.) telah dilaksanakan di Laboratorium Pengendalian Hayati. Tujuan penelitian ini adalah untuk mengetahui jenis cendawan entomopatogen yang terdapat pada rizosfer tanaman gandum. Sampel tanah diambil berdasarkan dua riwayat lahan yang berbeda yaitu lahan bukaan baru dan lahan bekas tanaman sayuran dari pertanaman gandum di Jorong Batu Bagiriak, Nagari Alahan Panjang, Kecamatan Lembah Gumanti, Kabupaten Solok, Sumatera Barat dengan menggunakan metode *simple random sampling* (teknik sampel sederhana). Isolasi cendawan dari tanah dilakukan dengan metode perangkap serangga (*insect bait method*). Hasil identifikasi cendawan entomopatogen pada kedua lahan menunjukkan genus yang ditemukan adalah *Metarhizium* dengan morfologi makroskopisnya yang beragam.

Kata kunci : Cendawan entomopatogen, *Metarhizium*, Rizosfer, Tanaman Gandum



DIVERSITY OF ENTOMOPATOGENIC FUNGI ON RHIZOSPHERE OF WHEAT PLANTS (*Triticum aestivum* L.)

Abstract

Research on the diversity of entomopathogenic fungi on the rhizosphere of wheat (*Triticum aestivum* L.) was conducted at the Laboratory of Biological Control. The purpose of this study was to determine the species of entomopathogenic fungi found on the rhizosphere of wheat crop. Soil samples were collected based on two history of different land i.e. new opening land and former vegetable land from wheat cropping in jorong Batu Bagiriak, nagari Alahan Panjang, kecamatan Lembah Gumanti, kabupaten Solok, West Sumatra by using simple random sampling method (a simple sample technique). Isolation of fungi from the soil was conducted by using insect traps (insect stanza method). The results of the identification indicated that there was one genus of entomopathogenic fungus i.e *Metarhizium* found on the two lands with various macroscopic morphology.

Keyword : entomopathogenic fungus, *Metarhizium*, rhizosphere, wheat plant

