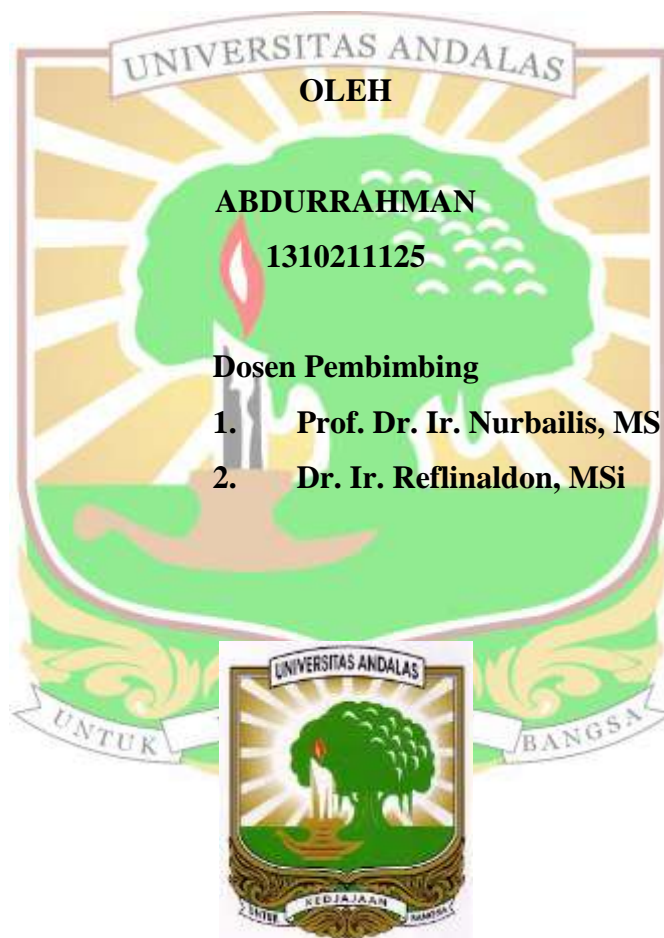


**PENGENDALIAN *Etiella zinckenella* Treit(Lepidoptera:Pyralidae)
DENGAN *Beauveria bassiana*
dan *Crotalaria mucronata* PADA TANAMAN
KACANG TANAH (*Arachis hypogaea*L.)**

SKRIPSI



**FAKULTAS PERTANIAN
UNIVERSITAS ANDALAS
PADANG
2019**

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Abstrak

Beauveria bassiana merupakan salah satu cendawan yang berpotensi untuk dikembangkan sebagai agens hayati. Penelitian ini bertujuan untuk mengetahui pengaruh perlakuan *Beauveria bassiana* dan *Crotalaria mucronata* terhadap penggerek polong (*Etiella zinckenella* Treit) pada tanaman kacang tanah (*Arachis hypogaea* L.). Penelitian ini telah dilaksanakan di Laboratorium Pengendalian Hayati Jurusan Hama dan Penyakit Tumbuhan Fakultas Pertanian Universitas Andalas di Kebun Percobaan BPTP, Kecamatan Rambatan, Kabupaten Tanah Datar dari bulan Oktober 2017 sampai Maret 2018. Penelitian menggunakan metode Deskriptif dengan 4 perlakuan dan 4 ulangan. Perlakuan yang diaplikasikan yaitu A = Kontrol, B = *Beauveria bassiana*, C = *Crotalaria mucronata*, D = *Beauveria bassiana* dan *Crotalaria mucronata*. Hasil yang diperoleh menunjukkan bahwa perlakuan B. *bassiana* dan C. *mucronata* pada minggu 14 MST mampu menekan jumlah populasi *E. zinckenella* pada tanaman kacang tanah serta jumlah propagul mengalami peningkatan dilapangan. Tetapi belum berpengaruh pada persentase tanaman kacang tanah terserang, persentase polong terserang dan berat biji segar dan sehat kacang tanah.

Kata Kunci: *Beauveria bassiana*, *Crotalaria mucronata*, *Etiella zinckenella* dan kacang tanah.



**Control of *Etiella zinckenella* Treit
(Lepidoptera: Pyralidae) with *Beauveria bassiana* (Bals.) Vuil
and *Crotalaria mucronata* L. in Peanut Plants
(*Arachis hypogaea* L.)**

Abstract

Beauveria bassiana is one of the fungi that has the potential to be developed as a biological agent. This study aims to determine the effect of *Beauveria bassiana* and *Crotalaria mucronata* treatment on pod borer (*Etiella zinckenella* Treit) in peanut plants (*Arachis hypogaea* L.). This research has been carried out at the Biological Control Laboratory, Department of Plant Pests and Diseases Faculty of Agriculture, Andalas University and at BPTP Experimental Station, Rambatan sub district, Tanah Datar District from October 2017 to March 2018. The study used descriptive methods with 4 treatments and 4 replications. The treatments applied were A = Control, B = *Beauveria bassiana*, C = *Crotalaria mucronata*, D = *Beauveria bassiana* and *Crotalaria mucronata*. The results obtained showed that the treatment of B. *bassiana* and C. *mucronata* at week 14 th after plants was able to reduce the population of E. *zinckenella* in peanut plants and the amount of propagules increased in the field, but it has no effect on percentage of attacked peanut plants, the percentage of pods attacked and the weight of fresh and healthy seeds of peanuts.

Keywords: Beauveria bassiana, Crotalaria mucronata, Etiella zinckenella and peanuts.

