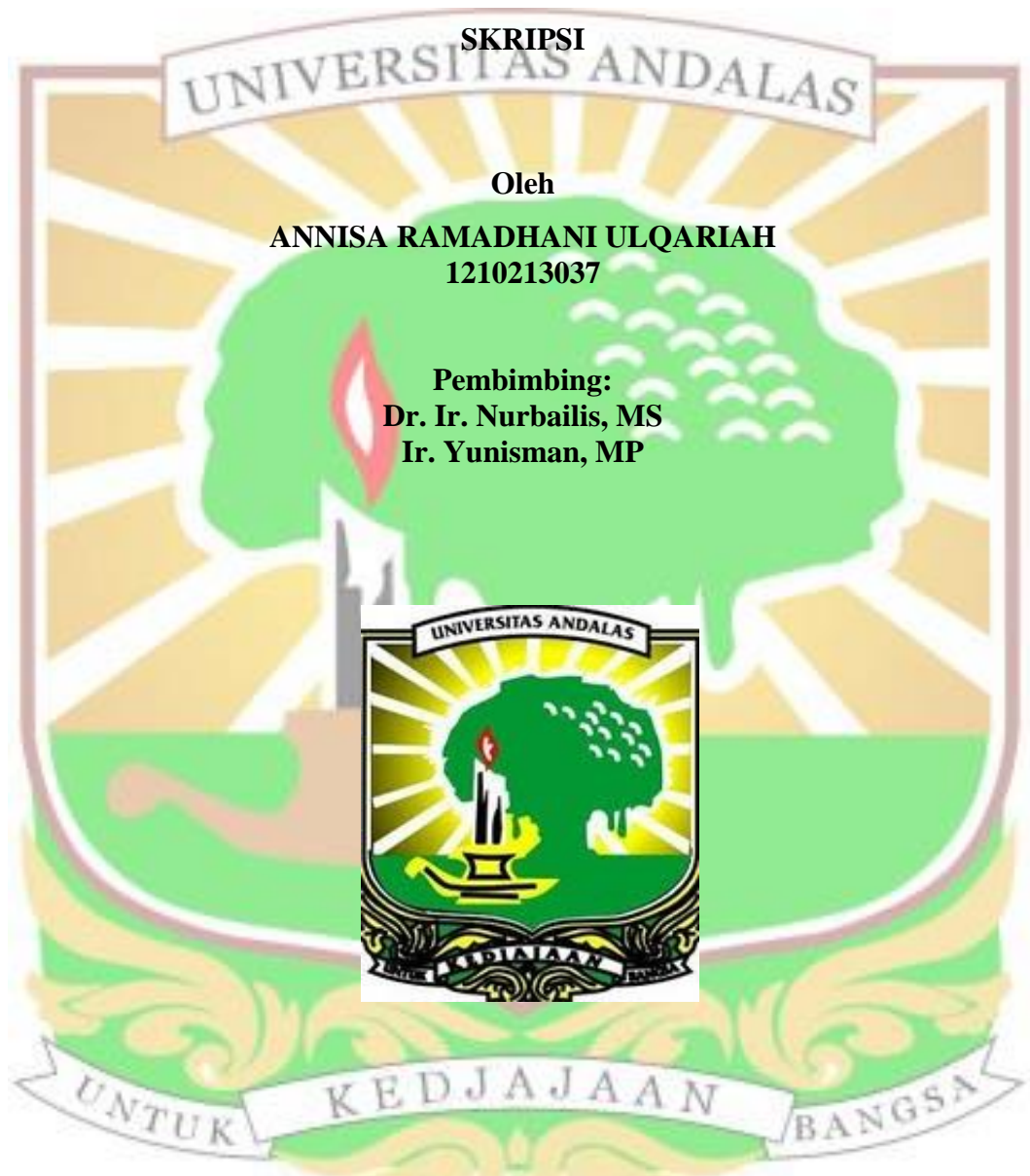


**FORMULASI *Trichoderma* sp. UNTUK PENGENDALIAN
PENYAKIT ANTRAKNOSA YANG DISEBABKAN OLEH
Colletotrichum gloeosporioides Penz. PADA CABAI (*Capsicum
annuum* L.)**



SKRIPSI

UNIVERSITAS ANDALAS

Oleh


**ANNISA RAMADHANI ULQARIAH
1210213037**

Pembimbing:

**Dr. Ir. Nurbailis, MS
Ir. Yunisman, MP**



**FAKULTAS PERTANIAN
UNIVERSITAS ANDALAS
PADANG
2017**

	No. Alumni Universitas	ANNISA RAMADHANI U.	No. Alumni Fakultas
	a). Tempat/ Tanggal Lahir : Pariaman/ 10 Maret 1994 b). Nama Orang Tua : Yoserizal Spd dan Indrawati Spd c). Fakultas : Pertanian d). Program Studi : Agroekoteknologi e). No. BP : 1210213037 f). Tanggal Lulus : 27 April 2017 g). Predikat Lulus : Sangat Memuaskan h). IPK : 3,14 i). Lama Studi : 4 Tahun 8 Bulan j). Alamat Orang Tua : Lubuk Buaya Kota Padang, Provinsi Sumatera Barat.		

Formulasi *Trichoderma* sp. untuk pengendalian penyakit antraknosa yang disebabkan oleh *Colletotrichum gloeosporioides* Penz. pada cabai (*Capsicum annum* L.)

Skripsi S1 oleh Annisa Ramadhani U, Dosen: 1. Dr. Ir. Nurbailis, MS., 2. Ir. Yunisman, MP



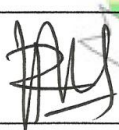
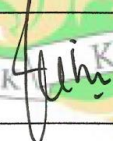

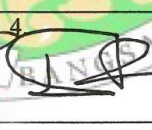

Penelitian formulasi *Trichoderma* sp. untuk pengendalian penyakit antraknosa yang disebabkan oleh *Colletotrichum gloeosporioides* telah dilaksanakan di Laboratorium Fitopatologi dan Rumah Kawat Kebun Percobaan Fakultas Pertanian Universitas Andalas dari bulan Agustus sampai Desember 2016. Tujuan dari penelitian ini adalah untuk mendapatkan formula *Trichoderma* sp. terbaik untuk pengendalian penyakit antraknosa yang disebabkan oleh *C. gloeosporioides* pada tanaman cabai. Metode yang digunakan dalam penelitian ini adalah Rancangan Acak Kelompok (RAK) dengan 4 perlakuan dan 3 ulangan, setiap ulangan terdiri atas 9 buah cabai. Perlakuan tersebut terdiri dari Kultur cair *Trichoderma* sp. 3, Suspensi Konidia *Trichoderma* sp. 3, Filtrat *Trichoderma* sp. 3 dan tanpa formula (kontrol). Parameter pengamatan adalah masa inkubasi, persentase buah terserang, intensitas penyakit. Hasil penelitian memperlihatkan bahwa formula filtrat *Trichoderma* sp. 3 paling efektif mengendalikan penyakit antraknosa yang disebabkan oleh *C. gloeosporioides* pada buah cabai dengan efektivitas penekanan dari intensitas penyakit 58,45 %, persentase buah terserang 44,45% dan mampu menunda masa inkubasi penyakit antraknosa selama 13 hari.

Kata kunci: Antraknosa, cabai, *Colletotrichum gloeosporioides*, *Trichoderma* sp., formulasi

Skripsi ini telah dipertahankan didepan sidang penguji dan dinyatakan lulus tanggal 27 April 2017


Abstrak telah disetujui oleh penguji :

Penguji :

Tanda Tangan	1. 	2. 	3. 	4. 	5. 
Nama	Ir. Martinius, MS	Ir. Yenny Liswarni, MP	Ir. Reflin, MP	Dr. Ir. Nurbailis, MS	Ir. Yunisman, MP


Mengetahui :

Koordinator Prodi Agroekoteknologi : Dr. Yusniwati, SP, MP
 NIP : 197012172000122001


 Tanda Tangan

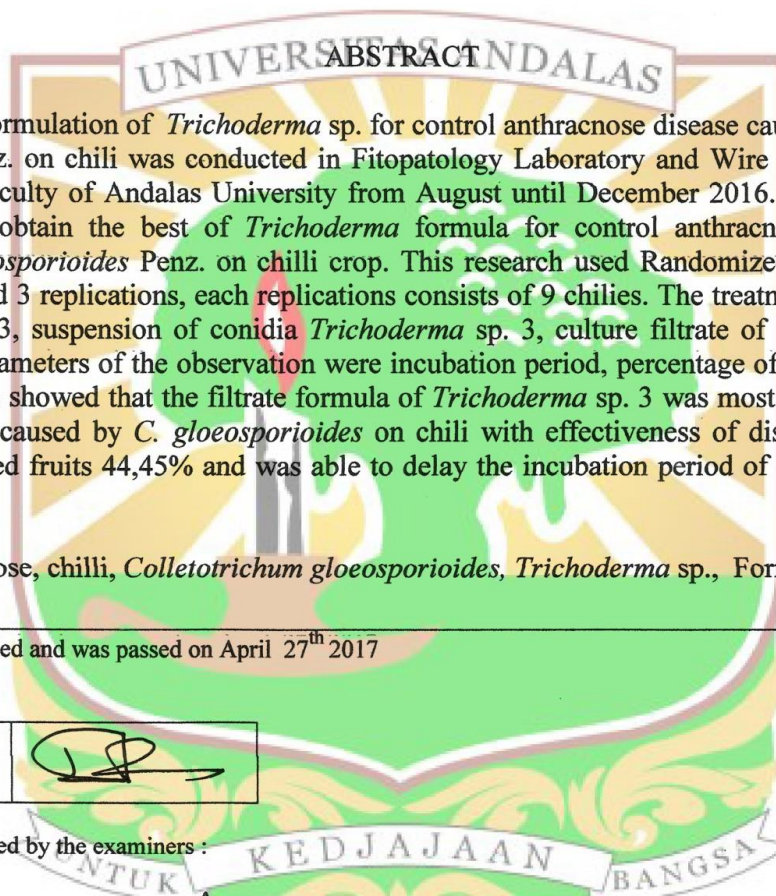
Alumnus telah mendaftar ke Fakultas/Universitas Andalas dan mendapatkan Nomor Alumnus :

	Petugas Fakultas/Universitas	
Nomor Alumni Fakultas :	Nama :	Tanda Tangan :
Nomor Alumni Universitas :	Nama :	Tanda Tangan :

	University Graduate Number	ANNISA RAMADHANI U.	Faculty Graduate Number
	a). Place/ Date of Birth : Pariaman/ 10 March 1994 b). Parent's Names : Yoserizal Spd and Indrawai Spd c). Faculty : Agriculture d). Department : Agroecotechnology e). Reg Number : 1210213037 f). Examined on : April 27 th 2017 g). Distinction : Verry Satisfactory h). GPA : 3,14 i). Length of Study: 4 Years and 8 Month j). Parent's Address : Lubuk buaya Kota Padang, Provinsi Sumatera Barat.		

Formulation of *Trichoderma* sp. to Control Anthracnose Disease Caused by *Colletotrichum gloeosporioides* Penz. on Chili

Thesis S1 by Annisa Ramadhani U, Lecturer: 1. Dr. Ir. Nurbailis, MS., 2. Ir. Yunisman, MP




ABSTRACT

Research about the formulation of *Trichoderma* sp. for control anthracnose disease caused by *Colletotrichum gloeosporioides* Penz. on chili was conducted in Fitopatology Laboratory and Wire House in Experimental Farm Agriculture Faculty of Andalas University from August until December 2016. The objectives of this experiment was to obtain the best of *Trichoderma* formula for control anthracnose disease caused by *Colletotrichum gloeosporioides* Penz. on chilli crop. This research used Randomized Block Design (RBD) with 4 treatments and 3 replications, each replications consists of 9 chilies. The treatment were liquid culture of *Trichoderma* sp. 3, suspension of conidia *Trichoderma* sp. 3, culture filtrate of *Trichoderma* sp. 3 and without formula. Parameters of the observation were incubation period, percentage of attacked fruits, disease intensity. The results showed that the filtrate formula of *Trichoderma* sp. 3 was most effective in controlling anthracnose disease caused by *C. gloeosporioides* on chili with effectiveness of disease intensity 58.45%, percentage of attacked fruits 44,45% and was able to delay the incubation period of anthracnose disease for 13 days.

Keywords: Anthracnose, chilli, *Colletotrichum gloeosporioides*, *Trichoderma* sp., Formulation



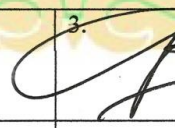
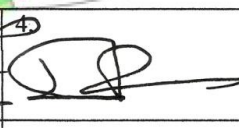
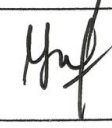
This thesis has been defended and was passed on April 27th 2017

Abstract Editor:

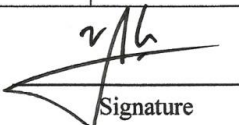
Dr. Ir. Nurbailis, MS	
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Abstracts have been approved by the examiners :

Examiner :

Signature	1. 	2. 	3. 	4. 	5. 
Name	Ir. Martinius, MS	Ir. Yenny Liswarni, MP	Ir. Reflin, MP	Dr. Ir. Nurbailis, MS	Ir. Yunisman, MP

Koordinator of Department : Dr. Yusniwati, SP, MP
NIP : 197012172000122001


Signature

This graduate has registered with the Faculty of Agriculture, Andalas University and was given the following graduation numbers :

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