

**ENRICHED RIPED *Cerbera odollam* Gaertn. FRUIT EXTRACT AS  
NATURAL INSECTICIDE ON *Spodoptera litura***

BACHELOR THESIS

Filed to meet one of the requirements for

Bachelor of Pharmacy (B. Pharm.)

Pharmaceutical Science Study Program at Faculty of Pharmacy

Gadjah Mada University

Yogyakarta

By:

Austin Anderson

21/480333/FA/13148

FACULTY OF PHARMACY  
GADJAH MADA UNIVERSITY  
YOGYAKARTA

2025



## PENGESAHAN SKRIPSI

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#### Berjudul

**Ekstrak Buah Diperkaya *Cerbera odollam* Gaertn.  
sebagai Insektisida Alami pada *Spodoptera litura***

Oleh :

**Austin Anderson**  
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Dipertahankan di hadapan Panitia Penguji Skripsi  
Fakultas Farmasi Universitas Gadjah Mada  
pada tanggal 14 April 2025

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**Anggota** :

1. Dr. Sylvia Utami Tunjung Pratiwi, S.Si., M.Si.

2. Dr. apt. Andayana Puspitasari Gani, M.Si.



## BACHELOR THESIS APPROVAL

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Titled

**Enriched Riped *Cerbera odollam* Gaertn. Fruit Extract  
as Natural insecticide on *Spodoptera litura***

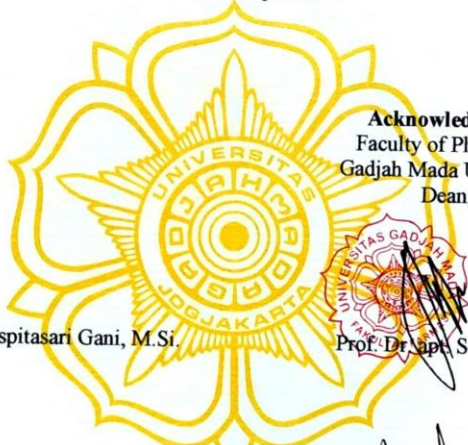
By :

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Defended in front of the Bachelor Thesis Committee  
Faculty of Pharmacy Gadjah Mada University  
on 14 April 2025

**Advisor**

Dr. apt. Andayana Puspitasari Gani, M.Si.



**Acknowledged by**  
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