

**CREATION OF pABC3 PLASMID DERIVATIVES FOR SYNTHETIC  
BIOLOGY AND PROTEIN-PROTEIN INTERACTION STUDIES**

Undergraduate Thesis



By:

Nazira Aydin Hatif  
21/475157/FA/13032

Faculty of Pharmacy  
Gadjah Mada University  
Yogyakarta

2025



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Nazira Aydin Hatif, Apt. Setyowati Triastuti Utami; Erwin Lamping  
Universitas Gadjah Mada, 2026 | Diunduh dari <http://etd.repository.ugm.ac.id/>

# **CREATION OF pABC3 PLASMID DERIVATIVES FOR SYNTHETIC BIOLOGY AND PROTEIN-PROTEIN INTERACTION STUDIES**

Undergraduate Thesis

Submitted to fulfill the requirements of attaining

A Bachelor of Pharmacy degree (S. Farm)

Faculty of Pharmacy

Universitas Gadjah Mada

Yogyakarta

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## UNDERGRADUATE THESIS VALIDATION

Titled

**Creation of pABC3 Plasmid Derivatives for Synthetic Biology and Protein-protein Interaction Studies**

By :

**Nazira Aydin Hatif**  
**21/475157/FA/13032**

Defended before the Thesis Examination Committee  
Faculty of Pharmacy, Universitas Gadjah Mada  
on December 17th, 2025

**Main-Supervisor**

Apt. Setyowati Triastuti Utami, M.Sc., Ph.D.

**Acknowledged by**

Faculty of Pharmacy  
Universitas Gadjah Mada  
Dean,

Prof. Dr. Saubi, M.Si, Apt

**Co-Supervisor**

Dr Erwin Lamping

### Examination Committee:

**Chair:** Purwanto, M.Sc., Ph.D., Apt.

**Members:**

1. Richard D. Cannon
2. Apt. Setyowati Triastuti Utami, M.Sc., Ph.D.
3. Dr Erwin Lamping

  


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R.D. Cannon

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