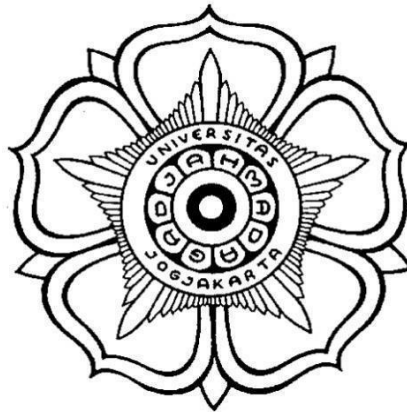


UNDERGRADUATE THESIS

**MICROEXPRESSION ANALYSIS OF TUBERCULOSIS ANTIGEN
PROTEIN AG85 COMPLEX AND TB10.4 IN *Escherichia coli* BL21(DE3)
EXPRESSION SYSTEM WITH pGEX-6P-1 VECTOR**



Written By:

Muhammad Ode Rahmadhani

21/482233/BI/10862

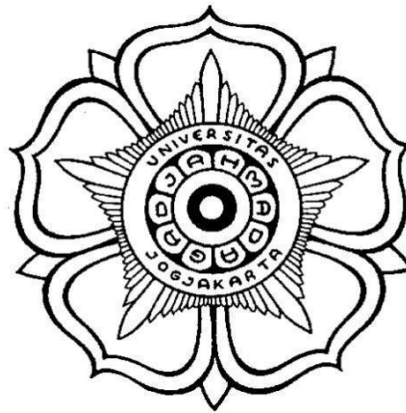
**FACULTY OF BIOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2025

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To fulfill the requirements to achieve a Bachelor of Science degree in the
Biology Study Program



Written by:

Muhammad Ode Rahmadhani

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Supervisor:

Dr. rer. nat. Abdul Rahman Siregar, S.Si., M.Biotech.

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**FACULTY OF BIOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2025

APPROVAL SHEET

UNDERGRADUATE THESIS

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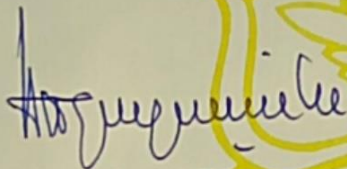
Written by:

Muhammad Ode Rahmadhani (21/482233/BI/10862)

Has been defended before the Examination Committee on 28 May 2025 and has been declared to meet the requirements.

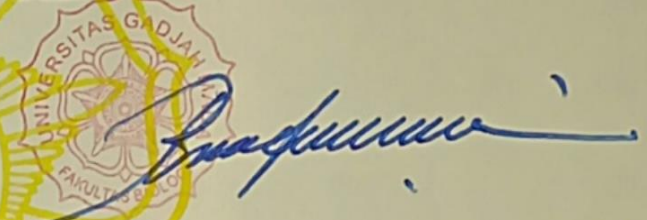
Yogyakarta, 28 May 2025
Faculty of Biology
Universitas Gadjah Mada

Examination Committee
Chair of Examiners

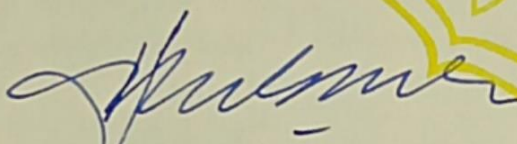


Dr. biol.hom. Nastiti Wijayanti, S.Si., M.Si.
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Main Supervisor

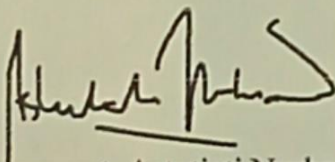
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