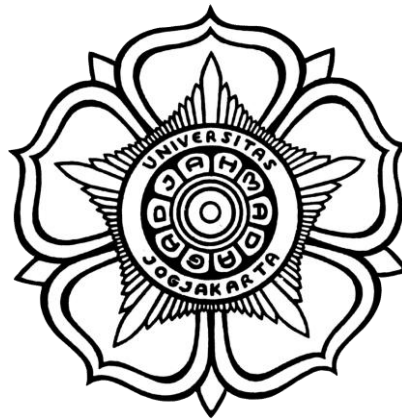


**COMPARATIVE MICROBIAL PROFILE OF ECO-ENZYMES
PRODUCED FROM ORANGE (*Citrus Sinensis*) AND PINEAPPLE
(*Ananas comosus*) PEELS USING METABARCODING OF THE 16S AND
ITS REGIONS**

UNDERGRADUATE THESIS



By:

Alifya Laras Ardana Pudijanto

21/477562/BI/10756

**FACULTY OF BIOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2025**



Comparative Microbial Profile of Eco-enzymes Produced from Orange (*Citrus sinensis*) and Pineapple

(*Ananas comosus*) Peels using Metabarcoding of the 16S and ITS Regions

Alifya Laras Ardana Pudijanto, Dr. Miftahul Ilmi, S.Si., M.Si.

Universitas Gadjah Mada, 2026 | Diunduh dari <http://etd.repository.ugm.ac.id/>

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UNDERGRADUATE THESIS

To fulfil the requirements for obtaining a Bachelor of Science Degree in Biology at Universitas
Gadjah Mada

By:

Alifya Laras Ardana Pudijanto

21/477562/BI/10756

Thesis Advisor:

Dr. Miftahul Ilmi, S.Si., M.Si.

**FACULTY OF BIOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA
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APPROVAL SHEET

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Written by:

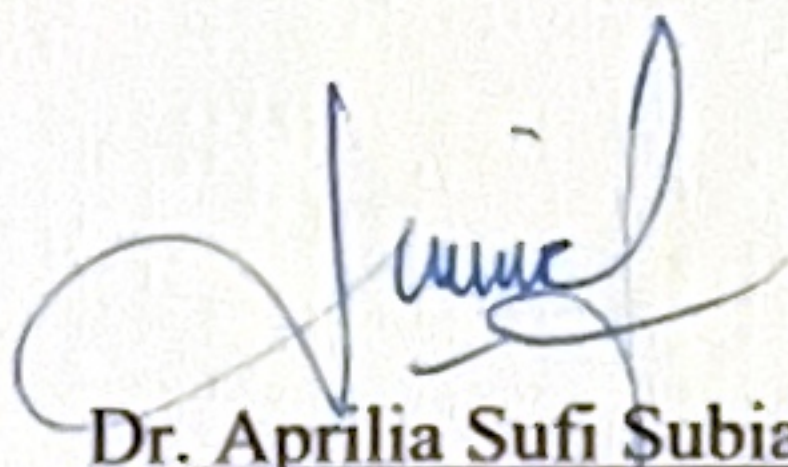
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Has been defended before the Examination Team on 1 April 2026, and declared to meet the requirements

Yogyakarta, 7 April 2026
Faculty of Biology
Universitas Gadjah Mada

Examination Team,
Head Examiner,



Dr. Aprilia Sufi Subiastuti, S.Si.

NIP 199304202024062001

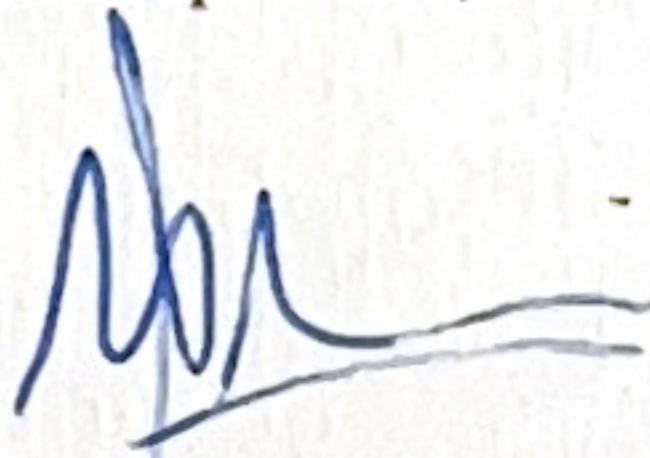
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