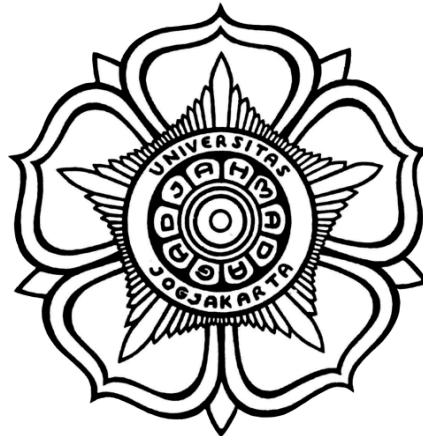


UNDERGRADUATE THESIS

**Utilization of Pineapple Parts for Sustainable Coagulation in Batak
Traditional Cheese (Dali Ni Horbo) Production**



By

Jordie Nicholas Gothilon Siahaan

19/440368/BI/10228

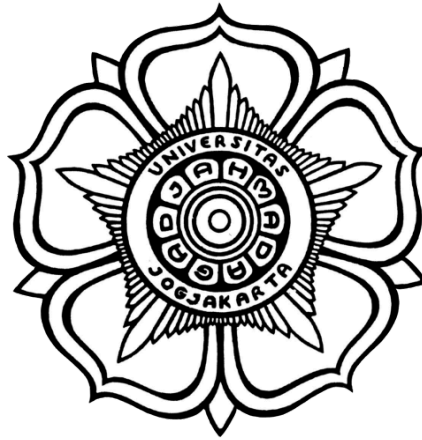
**FACULTY OF BIOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2024

UNDERGRADUATE THESIS

**Utilization of Pineapple Parts for Sustainable Coagulation in Batak
Traditional Cheese (Dali Ni Horbo) Production**

Proposed to fulfill the requirements to achieve Bachelor of Science
degree in Biology Study Program of Faculty of Biology, Universitas
Gadjah Mada.



By

Jordie Nicholas Gothilon Siahaan

19/440368/BI/10228

Thesis Supervisor:

Woro Anindito Sri Tunjung.M,Sc.,Ph.D.

**FACULTY BIOLOGY
UNIVERSITAS GADJAH
MADA YOGYAKARTA**

2024

VALIDATION PAGE
UNDERGRADUATE THESIS

**Utilization of Pineapple Parts for Sustainable Coagulation in Batak
Traditional Cheese (Dali Ni Horbo) Production**

Arranged by:

Jordie Nicholas Gothilon Siahaan

19/440368/BI/10228

This undergraduate thesis has been defended in front of the Examination Team on
September 27th, 2024 and declared to have met requirements

Yogyakarta, 1 October 2024

Faculty of Biology

Universitas Gadjah Mada

Examiners

Chief Examiner



Sari Darmasiwi, S.Si., M.Biotech., Ph.D.

NIP. 198408072015042002

Undergraduate Thesis Supervisor



Woro Anindito Sri Tunjung, M.Sc., Ph.D.

NIP. 197907202012122003

Examiner



Zuliyati Rohmah, S.Si., M.Si., Ph.D.

NIP. 19790712005012002

Dean



Prof. Dr. Budi Setiadi Daryono, M.Agr.Sc. *98*

NIP. 1970032661995121001