UNIVERSITAS
GADJAH MADA
Comparative Analysis of 3 Brands of Stirred Yogurt Products in Indonesia for E. coli and Salmonella spp. Growth Inhibition and Antibiofilm Activity
Felix Luman Shanahan, Prof. Dr. Endah Retnaningrum, S.Si., M.Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Comparative Analysis of 3 Brands of Stirred Yogurt Products in Indonesia for *E. coli* and *Salmonella* spp. Growth Inhibition and Antibiofilm Activity

UNDERGRADUATE THESIS

By:

Felix Luman Shanahan

22/496195/BI/10989

FACULTY OF BIOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2026

UNIVERSITAS
GADJAH MADA
Comparative Analysis of 3 Brands of Stirred Yogurt Products in Indonesia for E. coli and Salmonella spp. Growth Inhibition and Antibiofilm Activity
Felix Luman Shanahan, Prof. Dr. Endah Retnaningrum, S.Si., M.Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Comparative Analysis of 3 Brands of Stirred Yogurt Products in Indonesia for *E. coli* and *Salmonella* spp. Growth Inhibition and Antibiofilm Activity

UNDERGRADUATE THESIS

To fulfill some of the requirements for obtaining a

Bachelor of Science Degree in Biology Study Program

by:

Felix Luman Shanahan

22/496195/BI/10989

Thesis Supervisor: Prof. Dr. Endah Retnaningrum, S.Si., M.Eng.

FACULTY OF BIOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2026

UNIVERSITAS
GADJAH MADA
Comparative Analysis of 3 Brands of Stirred Yogurt Products in Indonesia for E. coli and Salmonella spp. Growth Inhibition and Antibiofilm Activity
Felix Luman Shanahan, Prof. Dr. Endah Retnaningrum, S.Si., M.Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

APPROVAL SHEET

UNDERGRADUATE THESIS

Comparative Analysis of 3 Brands of Stirred Yogurt Products in Indonesia for *E. coli* and *Salmonella* spp. Growth Inhibition and Antibiofilm Activity

Written by:

Felix Luman Shanahan

(22/496195/BI/10989)

Has been reviewed, approved, and declared to meet the requirements to proceed with the thesis defense

Yogyakarta, 18 June 2026

Head Examiner

Sari Darmasiwi, S.Si., M.Biotech., Ph.D.
NIP. 198408072015042002
Supervisor

Dean

Prof. Dr. Budi Setiadi Daryono, M.Agr.Sc.
NIP. 197003261995121001

Prof. Dr. Endah Retnaningrum, S.Si., M.Eng.
NIP. 197203191999032002

Examiner

Aries Bagus Sasongko, S.Si., M.Biotech.
NIP. 198303112015041001