



Development of Gelatin-Chitosan-Lemongrass Essential Oil Coatings for Extending Shelf Life of Fresh Strawberry

Strawberry

Muhammad Daffa Haidar, Wahyu Dwi Saputra, S. T. P., M. Agr.Sc., Ph. D.

Universitas Gadjah Mada, 2025 | Diunduh dari <http://etd.repository.ugm.ac.id/>

**DEVELOPMENT OF GELATIN-CHITOSAN-LEMONGRASS
ESSENTIAL OIL COATINGS FOR EXTENDING SHELF LIFE OF
FRESH STRAWBERRY**

Undergraduate Thesis

Department of Food and Agricultural Product Technology

**This Thesis Paper is Submitted to The Faculty of Agricultural Technology as
a Partial Fulfillment of The Requirements for a Bachelor's Degree from the
Department of Food and Agricultural Product Technology**

By:

MUHAMMAD DAFFA HAIDAR

21/473460/TP/13056

**DEPARTMENT FOOD AND AGRICULTURAL PRODUCT TECHNOLOGY
FAKULTAS AGRICULTURAL TECHNOLOGY
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2025**



Development of Gelatin-Chitosan-Lemongrass Essential Oil Coatings for Extending Shelf Life of Fresh Strawberry

Muhammad Daffa Haidar, Wahyu Dwi Saputra, S.T.P., M. Agr.Sc., Ph. D.

Universitas Gadjah Mada, 2025 | Diunduh dari <http://etd.repository.ugm.ac.id/>

DEVELOPMENT OF GELATIN-CHITOSAN-LEMONGRASS ESSENTIAL OIL COATINGS FOR EXTENDING SHELF LIFE OF FRESH STRAWBERRY

**Completed and Submitted to
The Faculty of Agricultural Technology, Universitas Gadjah Mada**

**By:
MUHAMMAD DAFFA HAIDAR
21/473460/TP/13056**

Has been held accountable and examined by the examiner, and also has been approved and authorized as partial fulfillment of the requirements for a Bachelor's Degree in the Department of Food and Agricultural Product Technology, Faculty of Agricultural Technology Universitas Gadjah Mada Yogyakarta, 2025

Yogyakarta, 16 July 2025

Advisor

Advisor

Wahyu Dwi Saputra, S.T.P., M.Agr.Sc., Ph.D.

Asst. Prof. Dr. Pornsatit Sookchoo

NIKA. 111199106202204101

Examiner

Dr. Manikharda, S.T.P., M.Agr.

NIP. 198901172024062001

**Knowing
Dean of the Faculty of Agricultural Technology
Universitas Gadjah Mada**



Prof. Dr. Ir. Eni Harmayani, M.Sc.

NIP. 196306091987102001