

**DEVELOPMENT OF THERMOPLASTIC NATURAL RUBBER COMPOSITES
USING POLYBUTYLENE ADIPATE TEREPHTHALATE AND NATURAL
RUBBER REINFORCED WITH PALM FIBER**



Arranged By:

NASYWA AMAR FAIZAH

21/475396/TP/13121

DEPARTMENT OF FOOD AND AGRICULTURAL PRODUCT TECHNOLOGY

FACULTY OF AGRICULTURAL TECHNOLOGY

UNIVERSITAS GADJAH MADA

YOGYAKARTA

2025



Development of Thermoplastic Natural Rubber Composites Using Polybutylene Adipate Terephthalate and Natural Rubber Reinforced With Palm Fiber

Nasywa Amar Faizah, Prof. Dr. Ir. Chusnul Hidayat, Asst. Prof. Dr. Ladawan Songtipya

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

**DEVELOPMENT OF THERMOPLASTIC NATURAL RUBBER COMPOSITES
USING POLYBUTYLENE ADIPATE TEREPHTHALATE AND NATURAL
RUBBER REINFORCED WITH PALM FIBER**

Undergraduate Thesis

Department of Food and Agricultural Product Technology

Submitted to

Faculty of Agricultural Technology Universitas Gadjah Mada

as a fulfillment of the requirement of a bachelor's degree (S-1)

to obtain a degree in agricultural technology at

Department of Food and Agricultural Product Technology

By:

NASYWA AMAR FAIZAH

21/475396/TP/13121

DEPARTMENT OF FOOD AND AGRICULTURAL PRODUCT TECHNOLOGY

FACULTY OF AGRICULTURAL TECHNOLOGY

UNIVERSITAS GADJAH MADA

2025

UNDERGRADUATE THESIS

**DEVELOPMENT OF THERMOPLASTIC NATURAL RUBBER COMPOSITES
USING POLYBUTYLENE ADIPATE TEREPHTHALATE AND NATURAL
RUBBER REINFORCED WITH PALM FIBER**

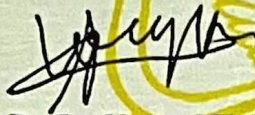
Arranged and submitted to
Faculty of Agricultural Technology Universitas Gadjah Mada

By:
NASYWA AMAR FAIZAH
21/475396/TP/13121

Has been accounted for and examined by the examiner team, approved, and passed as fulfillment for the requirement of a bachelor's degree (S-1)
Department of Food and Agricultural Product Technology
Faculty of Agricultural Technology Universitas Gadjah Mada

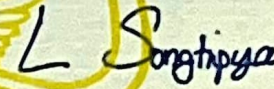
Yogyakarta, 16th July 2025

Supervisor I



Prof. Dr. Ir. Chusnul Hidayat
NIP. 196409191994031002

Supervisor II



Asst. Prof. Dr. Ladawan Songtipya


Examiner



Dr. Inasanti Pandan Wangi, S.T.

NIKA. 111199311202405201

Acknowledged by,
Dean of Faculty of Agricultural Technology

Universitas Gadjah Mada


Prof. Dr. Ir. Eni Harmayani, M.Sc.
NIP. 196306091987102001