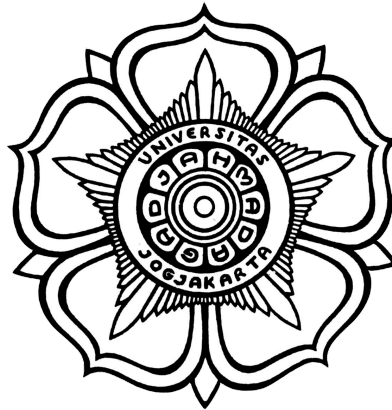


UNDERGRADUATE THESIS

**FORMULATION OF MARGARINE ENRICHED WITH OMEGA-3 AND
β-CAROTENE FROM SACHA INCHI OIL (*Plukenetia volubilis* L.) AND
RED PALM OLEIN (*Elaeis guineensis*) WITH THE ADDITION OF PALM
STEARIN**



By:

I KOMANG BAGUS PUTRA SANJAYA

22/496526/TP/13460

DEPARTMENT OF FOOD AND AGRICULTURAL PRODUCTS TECHNOLOGY

FACULTY OF AGRICULTURAL TECHNOLOGY

UNIVERSITAS GADJAH MADA

YOGYAKARTA

2026

**FORMULATION OF MARGARINE ENRICHED WITH OMEGA-3 AND
 β -CAROTENE FROM SACHA INCHI OIL (*Plukenetia volubilis* L.) AND RED
PALM OLEIN (*Elaeis guineensis*) WITH THE ADDITION OF PALM STEARIN**

By:

I KOMANG BAGUS PUTRA SANJAYA

22/496526/TP/13460

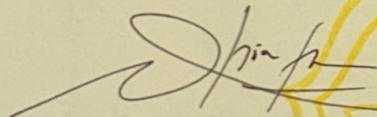
Accounted for and examined by the examination committee, and approved and
ratified in fulfilment of the requirements of completing the undergraduate
program (S-1) in the

**Food and Agricultural Product Technology Study Program
Faculty of Agricultural Technology Gadjah Mada University**

Yogyakarta, 15th January 2026

1st Supervisor

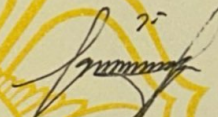
2nd Supervisor



Dr.rer.nat. Lucia Dhiantika Witasari,

S.Farm., Apt., M.Biotech

NIP. 198406222015042003

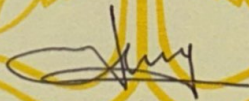


Bangun Prajanto Nusantoro, S.T.P.,

M.Sc.

NIP. 197609031999031002

Assessor



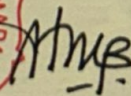
Prof. Dr. Ir. Sri Raharjo, M.Sc

NIP. 196307231986031001

Acknowledge by,

Dean of Faculty of Agricultural technology

Universitas Gadjah Mada



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

NIP. 196306091987102001