



UNIVERSITAS
GADJAH MADA

Carbon and Nitrogen Content and their Stable Isotopes in Land Use Change from Paddy Fields to Upland with C3 and C4 Plant on Regosols

Hamdhanie Fikri, Prof. Dr. Ir. Sri Nuryani Hidayah Utami, M.P., M.Sc.; Prof. Dr. Weiguo Cheng; Dr. Ir. Eko Hanudin, M.

**Carbon and Nitrogen Content and Their Stable Isotopes in
Land Use Change from Paddy Fields to Upland with C3 and
C4 Plant on Regosols**



Proposed by :
Hamdhanie Fikri
(22/508685/PPN/04968)

GRADUATE PROGRAM
FACULTY OF AGRICULTURE
GADJAH MADA UNIVERSITY
YOGYAKARTA

2024



UNIVERSITAS
GADJAH MADA

Carbon and Nitrogen Content and their Stable Isotopes in Land Use Change from Paddy Fields to Upland with C3 and C4 Plant on Regosols

Hamdhanie Fikri, Prof. Dr. Ir. Sri Nuryani Hidayah Utami, M.P., M.Sc.; Prof. Dr. Weiguo Cheng; Dr. Ir. Eko Hanudin, M.

**Carbon and Nitrogen Content and Their Stable Isotopes in
Land Use Change from Paddy Fields to Upland with C3 and
C4 Plant on Regosols**



Proposed by :
Hamdhanie Fikri
(22/508685/PPN/04968)

GRADUATE PROGRAM
FACULTY OF AGRICULTURE
GADJAH MADA UNIVERSITY
YOGYAKARTA
2024



UNIVERSITAS
GADJAH MADA

Carbon and Nitrogen Content and their Stable Isotopes in Land Use Change from Paddy Fields to Upland with C3 and C4 Plant on Regosols

Hamdhanie Fikri, Prof. Dr. Ir. Sri Nuryani Hidayah Utami, M.P., M.Sc.; Prof. Dr. Weiguo Cheng; Dr. Ir. Eko Hanudin, M.

Universitas Gadjah Mada, 2024 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Thesis

**Carbon and Nitrogen Content and Their Stable Isotopes in Land Use Change
from Paddy Fields to Upland with C3 and C4 Plant on Regosols**

submitted by:
Hamdhanie Fikri
(22/508685/PPN/04968)

Was defended on December 20, 2024

Main Supervisor

Prof. Dr. Ir. Sri Nuryani Hidayah Utami, M.P.,
M.Sc.

Signature

Date


Feb 24, 2025

Co-supervisor 1

Prof. Dr. Weiguo Cheng


Feb 24, 2025

Co-supervisor 2

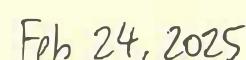
Eko Hanudin, M.P., IPU., ASEAN Eng.


Feb 24, 2025

Examiner

Tantriandi, S.P., M.Agr., Ph.D.

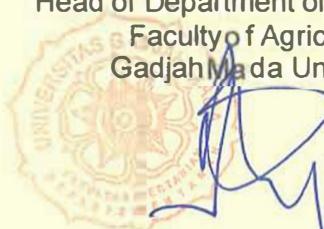

Feb 24, 2025


Feb 24, 2025

This thesis is approved as one of the requirements to obtain a master's degree.

Yogyakarta, February 24 2025

Approved by,
Head of Department of Soil Science
Faculty of Agriculture
Gadjah Mada University



Prof. Dr. Ir. Benito Heru Purwanto, M.Agr., M.P.