



IMPLEMENTATION AGREEMENT



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

BETWEEN
ENVIRONMENTAL ENGINEERING UNDERGRADUATE STUDY PROGRAM
FACULTY OF ENGINEERING
UNIVERSITAS NEGERI MALANG
AND
DEPARTMENT OF WATER AND ENVIRONMENTAL ENGINEERING
FACULTY OF CIVIL ENGINEERING
UNIVERSITI TEKNOLOGI MALAYSIA, MALAYSIA

ON
POSTDOCTORAL RESEARCH IMPLEMENTATION AGREEMENT:
SUSTAINABLE NUTRIENT RECOVERY FROM LANDFILL LEACHATE USING
RICE HUSK BIOCHAR AND STRUVITE PRECIPITATIO

Ref: 12/2/40/UN32.5.5.2.10/KS/2026

This Implementation Agreement is entered into force on Thursday, February 12, 2026 by and between:

1. Ir. Anie Yulistyorini, S.T., M.Sc., Ph.D: Head of Environmental Engineering Undergraduate Study Program, whom therefore legally represents and acts for and on behalf of the Environmental Engineering Undergraduate Study Program, Faculty of Engineering, Universitas Negeri Malang, whose address is at Jalan Semarang 5, Malang, hereinafter referred to as Party I.
2. Dr. Mohamad Darwish: Associate Professor, whom therefore legally represents and acts for and on behalf of the Department of Water and Environmental Engineering, Faculty of Civil Engineering, Universiti Teknologi Malaysia, whose address is at M46, Faculty of Civil, Engineering, UTM, 81310 Johor Bahru, Johor, Malaysia, hereinafter referred to as Party II.

PARTY I and **PARTY II** hereinafter referred to collectively as **THE PARTIES**. The Parties hereby agree to jointly arrange an Implementation Agreement on the program Postdoctoral Research Implementation Agreement: Sustainable Nutrient Recovery from Landfill Leachate Using Rice Husk Biochar and Struvite Precipitatio Organized by **THE PARTIES** as regulated in the following articles.

Article 1
PURPOSE AND OBJECTIVES

- (1) The purpose of this Implementation Agreement is to serve as the basis for the Implementation Agreement arranged by **THE PARTIES** in accordance with the scope of this Implementation Agreement Regulation.

Initialed by Party I
Initialed by Party II

- (2) The objective of this Implementation Agreement is to support the activities of **THE PARTIES** in relation to cooperation with regard to the program Postdoctoral Research Implementation Agreement: Sustainable Nutrient Recovery from Landfill Leachate Using Rice Husk Biochar and Struvite Precipitatio

Article 2
SCOPE OF ACTIVITIES

- (1) The Scope of this agreement includes the program Postdoctoral Research Implementation Agreement: Sustainable Nutrient Recovery from Landfill Leachate Using Rice Husk Biochar and Struvite Precipitatio, wherein Ir. Anie Yulistyorini, S.T., M.Sc., Ph.D has been assigned as the Person in Charge (anie.yulistyorini.ft@um.ac.id).
- (2) The implementation of cooperation for this agreement is carried out by Ir. Anie Yulistyorini, S.T., M.Sc., Ph.D and Dr. Mohamad Darwish.
- (3) **THE PARTIES** shall monitor the implementation of the program Postdoctoral Research Implementation Agreement: Sustainable Nutrient Recovery from Landfill Leachate Using Rice Husk Biochar and Struvite Precipitatio not less than 1 (one) time in one period of activity.

Article 3
FUNDING

The fee incurred from the activities born in this Implementation of Agreement is borne by the respective **PARTY** according to the applicable regulations and shall be specified in a separate specific written agreement.

Article 4
DURATION

This Implementation Agreement of cooperation is valid from Thursday, February 12, 2026 until

Article 5
CLOSING

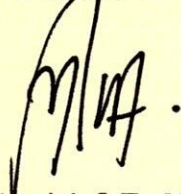
- (1) Any amendment to this Implementation Agreement shall only be made with the mutual approval of **THE PARTIES**.
- (2) This Implementation Agreement is deemed to be terminated if one **PARTY** or **THE PARTIES** fail to fulfill the provisions in this Implementation Agreement.
- (3) Particulars that are not / yet to be determined in this Implementation Agreement shall be addressed further by **THE PARTIES** on the basis of mutual discussion and agreement which shall be set forth in an Addendum, which is an integral part of this Implementation Agreement.
- (4) This document of Implementation Agreement is made and signed by **THE PARTIES** in 2 (two) copies, all of which shall constitute the equal legal force.

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Article 6
Force Majeure

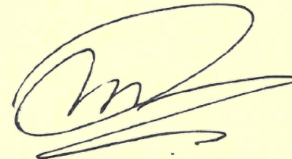
- (1) In the event of force majeure, including natural disasters, fires, security disturbances and other matters that result in the **PARTIES** being unable to carry out the obligations as referred to in ARTICLE 3, the losses suffered by the **PARTIES** shall be borne by the **PARTIES** and the **PARTIES** shall be released from claims for the implementation of this Memorandum of Understanding including claims for losses arising from this force majeure.
- (2) The circumstances as referred to in paragraph (1) must have a direct causal relationship with the losses suffered by the **PARTIES** and be proven by a Certificate from an Authorized Official no later than 30 (thirty) working days from the occurrence of the event as referred to in paragraph (1).

PARTY I



Ir. Anie Yulistiyorini, S.T., M.Sc., Ph.D
Head of Study Program
Universitas Negeri Malang

PARTY II



Dr. Mohamad Darwish
Associate Professor
Universiti Teknologi Malaysia

IN WITNESS WHEREOF



Prof. Dr. Andoko, S.T., M.T.
Dean
Faculty of Engineering
Universitas Negeri Malang

Initialed by Party I
Initialed by Party II
