



**LETTER OF AGREEMENT
BETWEEN**

**UNIVERSITAS NEGERI MALANG, THE UNIVERSITY OF TOKYO, CHANGSHA
UNIVERSITY OF SCIENCE AND TECHNOLOGY, AND UNIVERSITI TEKNOLOGI
MALAYSIA**

**UNDER THE PROJECT "RESEARCH CONSORTIUM FOR WATER AND
WASTEWATER TREATMENT"
NOMOR: 1.4.1/UN32.14/LN/2025**

Herewith partners

This consortium was officially established in 2025 for research purposes on Water and Wastewater Treatment with several universities, namely Universitas Negeri Malang, The University of Tokyo, Changsha University of Science and Technology, Universiti Teknologi Malaysia. This agreement represents the terms of program management in period 1 April 2025 to 31 March 2028.

Parties to the consortium agreement:

- A. Universitas Negeri Malang
- B. The University of Tokyo
- C. Changsha University of Science and Technology
- D. Universiti Teknologi Malaysia (UTM)

Research Consortium Agreement for Water and Wastewater Treatment

ARTICLE 1

GENERAL PROVISIONS

1.1 Introduction

This Research Consortium Agreement is made and entered into as of 1 April 2025, by and among the following parties (collectively referred to as the "Consortium Members"):

- a. Party A: Universitas Negeri Malang (Universitas Negeri Malang), having its principal place of business at Jalan Semarang No. 5, Malang 65145, East Java, Indonesia.
- b. Party B: The University of Tokyo, having its principal place of business at 7-chōme-3-1 Hongō, Bunkyo City, Tokyo, Japan.
- c. Party C: Changsha University of Science and Technology, having its principal place of business at No.960, 2nd Section, Wanjiali South RD, Changsha City, Hunan Province, China.
- d. Party D: Universiti Teknologi Malaysia, having its principal place of business at 81310 Skudai, Johor, Malaysia.

ARTICLE 2

Objectives

2.1 The purpose of this Agreement is to establish a research consortium focused on advancing technologies and methodologies in water and wastewater treatment. The Consortium Members agree to collaborate on research projects, share knowledge, and utilize resources to achieve the following objectives:

- a. Development and Improvement of water and wastewater treatment technologies
- b. Development of innovative water conversion to energy and other purposes.
- c. Enhancement of environmental sustainability in water management.
- d. Dissemination of research findings through publications and conferences.

ARTICLE 3

Roles and Responsibilities

3.1 Consortium Management

All Parties to this Agreement shall commit themselves to the on-going management of the agreement, to the maintenance research projects.

- a) Consortium Leader: Universitas Negeri Malang will act as the Consortium Leader and will be responsible for coordinating the activities of the Consortium Members.

- b) Steering Committee: A Steering Committee will be established, consisting of one representative from each Consortium Member. The Steering Committee will oversee the progress of research activities and make strategic decisions.

3.2 Individual Responsibilities

- a) Center of Science and Engineering, Universitas Negeri Malang
- Overall coordination of the consortium's activities.
 - Leading consortium-wide meetings and decision-making processes.
 - Ensuring alignment of research goals and progress monitoring.
 - Organizing and managing resources across the consortium.
 - Communicating with external stakeholders and funding organizations.
- b) Institute of Industrial Science, University of Tokyo
- Lead innovative research projects on industrial water treatment technologies.
 - Provide access to specialized laboratories and equipment.
 - Collaborate on joint publications and participate in international conferences.
 - Support the training of junior researchers and students in water treatment methodologies.
- c) Key Laboratory of Dongting Lake Aquatic Eco-Environmental Control and Restoration of Hunan Province, Changsha University of Science and Technology
- Focus on wastewater treatment processes and aquatic eco-environmental control.
 - Provide expertise in water pollution control and ecosystem restoration techniques.
 - Share technical resources and data for consortium-wide research.
 - Work on joint projects for improving environmental sustainability in water management.
- d) Centre for Environmental Sustainability and Water Security, Universiti Teknologi Malaysia (UTM)
- Focus on environmental sustainability and water security.
 - Lead efforts in designing and testing sustainable water management systems.
 - Collaborate with consortium members in disseminating research findings.
 - Assist in developing frameworks for water conservation policies in Southeast Asia.

ARTICLE 4

Intellectual Property

4.1 Ownership

- a) Any intellectual property (IP) developed jointly by the Consortium Members during the term of this Agreement will be owned jointly by the parties involved in its creation.
- b) IP developed solely by one party will remain the property of that party.

4.2 Licensing and Use

- a) Consortium Members agree to grant each other non-exclusive, royalty-free licenses to use jointly developed IP for the duration of the research project and for further research purposes.
- b) Any commercialization of jointly developed IP will require separate agreements detailing the terms and conditions.

ARTICLE 5

Funding and Resources

5.1 Each Consortium Member will be advised to have at least matching fund from their own affiliation to support its participation in the consortium.

5.2 Consortium Members will propose international funding together to increase.

5.3 Shared resources, such as laboratory equipment and data, will be made available to all Consortium Members as needed to achieve the consortium's objectives.

ARTICLE 6

Confidentiality

6.1 All Consortium Members agree to maintain the confidentiality of any proprietary information shared during the course of the consortium's activities.

6.2 Confidential information may only be disclosed to third parties with the prior written consent of the originating party.

ARTICLE 7

Publications and Dissemination

7.1 Consortium Members will collaborate on the publication of research findings in academic journals and presentations at conferences.

7.2 Authorship of publications will be determined based on the contributions of each Consortium Member.

ARTICLE 8

Term and Termination

8.1 Term

This Agreement will commence on 1 April 2025 and will remain in effect for a period of **3 (three) years**, unless extended by mutual written agreement of the Consortium Members.

8.1 Termination

- a) Any Consortium Member may withdraw from the consortium by providing 3 (three) months' written notice to the other members.
- b) Upon termination, all licenses to use jointly developed IP will cease, and any shared resources must be returned or appropriately disposed of.

ARTICLE 9

Dispute Resolution

9.1 Any disputes arising under this Agreement will be resolved through good faith negotiations between the Consortium Members.

9.2 If a dispute cannot be resolved through negotiation, it will be submitted to mediation or arbitration as agreed upon by the Consortium Members.

ARTICLE 10

Miscellaneous

10.1 Governing Law: This Agreement will be governed by and construed in accordance with the laws of Indonesia.

10.2 Amendments: Any amendments to this Agreement must be made in writing and signed by all Consortium Members.

10.3 Entire Agreement: This Agreement constitutes the entire agreement between the parties and supersedes all prior agreements and understandings.

ARTICLE 11

NOTICE AND CORRESPONDENCE

11.1 Every notice, request or any other communication required or permitted to be given pursuant to this MoA shall be in writing, in English, and delivered personally or sent by a registered or certified post via air mail or by courier or facsimile or email (which shall be acknowledged by other Party) to the Parties at the address, facsimile number, and email address as stated below.

<u>For UM:</u>	Address	Research Institute and Community Engagement UM Jalan Semarang No. 5 Malang 65145
	Telephone no.	082225465730
	Mobile no.	082225465730
	Contact person	Eli Hendrik Sanjaya, Ph.D
	Email address	eli.hendrik.fmipa@um.ac.id

**For
University of
Tokyo:**

Address Institute of Industrial Science, The University of
Tokyo, Tokyo, Japan

Telephone no.
Mobile no.
Contact person Prof. Muhammad Aziz
Email address iis.u-tokyo.ac.jp

**For Changsa
University:**

Address Laboratory of Dongting Lake Aquatic Eco-
Environmental Control and Restoration of Hunan
Province, Changsha University of Science &
Technology, Changsha, China

Telephone no.
Mobile no. 13873128135
Contact person Prof. Hong Chen
Email address chenh@hnu.edu.cn

**For
Universiti
Teknologi
Malaysia:**

Address Centre for Environmental Sustainability and Water
Security
Universiti Teknologi Malaysia, Johor Baru,
Malaysia

Telephone no. 019-7347878
Mobile no. 019-7347878
Contact person Prof. Mohd. Fadhil MD Din
Email address mfadhil@utm.my,
mohdfadhil770603@gmail.com

Signed in desk on desk of each party as follows:

Signed by

1 April 2025



Eli Hendrik Sanjaya, Ph.D
Head of Center of
Science and Engineering, Research Institute
and Community Engagement
Universitas Negeri Malang, Indonesia

1 April 2025



Muhammad Aziz, Dr. Eng.
Associate Professor and Principal
Investigator at the Institute of Industrial
Science, The University of Tokyo,
Tokyo, Japan

1 April 2025



Prof. Hong Chen
Key Laboratory of Dongting Lake Aquatic
Eco-Environmental Control and Restoration
of Hunan Province, Changsha University of
Science & Technology, Changsha, China

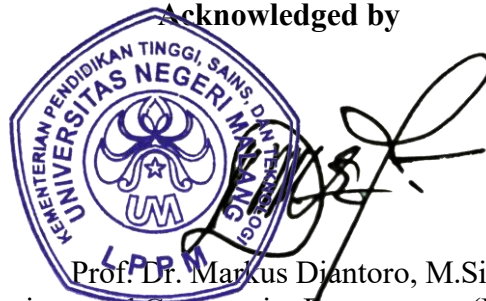
1 April 2025



Prof. Mohd. Fadhil MD Din
Centre for Environmental Sustainability and
Water Security, Universiti Teknologi
Malaysia, Johor Baru, Malaysia

1 April 2025

Acknowledged by



Prof. Dr. Markus Diantoro, M.Si
Head of Research Institute and Community Engagement (RICE) Universitas Negeri
Malang

APPENDIX 1**LIST OF RESEARCH TITLE AND NAME OF STUDY PROGRAM LECTURERS INVOLVED**

No.	Title	Head Researcher	University	Study Program	Research Duration	Funding Amount
1	SIMULTANEOUS PARTIAL NITRATION, ANAMMOX, DENITRIFICATION, AND COD OXIDATION (SNADCO) METHOD IN THE TREATMENT OF TOFU INDUSTRY WASTEWATER USING MOVING BED BIOFILM REACTOR (MBBR)	Eli Hendrik Sanjaya, Ph.D	Universitas Negeri Malang	1. Chemistry 2. Biotechnology	1 year	IDR 100.000.000
2	AUTOTROPHIC DENITRIGON AND SIMUTANOUSLY PHOSPHATE RECOVERY FROM WASTEWATER BY NEW TYPE BIOREACTORS	Chen Hong Ph. D.	Changsha University of Science and Technology	1. Water Science and Engineering 2. Hydraulic and Enivronemntal Engineering	1 year	70.000 USD
3	PERFORMANCE EVALUATION AND ENERGY POTENTIAL ANALYSIS OF ANAEROBIC MEMBRANE BIOREACTOR (AnMBR) IN THE TREATMENT OF SIMULATED MILK WASTEWATER	Siti Nur Fatihah Binti Moideen, Ph.D	Universiti Teknologi Malaysia	1. Wastewater Engineering 2. Anaerobic Treatment	N.A	N.A

APPENDIX 2

RESEARCH PROJECT OBJECTIVES

1. Increasing the number of international journal publications indexed by Scopus
2. Increasing number of international collaborations
3. Producing research that has an impact on improving quality supports the Sustainable Development Goals program.

APPENDIX 2 RESPONSIBILITIES

1. To carry out research in accordance with the agreed research topic
2. To publish at least one research article in a minimum Scopus Q2 indexed journal each affiliation.