



**MEMORANDUM OF UNDERSTANDING  
ACADEMIC COLLABORATION**  
Between  
**FACULTY OF MATHEMATICS AND SCIENCE  
UNIVERSITAS NEGERI MALANG (UM)**  
And  
**SCIENCE EDUCATION CENTER  
NATIONAL TAIWAN NORMAL UNIVERSITY (NTNU)**

The Faculty of Mathematics and Science, UM, and the Science Education Center, NTNU, believe that mutual benefits can be derived by bridging their two institutions, achieving a closer relationship by linking their scholars, and personnel for academic collaboration. Both institutions share the strong conviction that mutual understanding among people can be promoted through the establishment of academic links. Therefore, both institutions agree to enter into this Memorandum of Understanding (MOU) on Academic Collaboration.

1. Each institute will make an effort to promote and develop cooperation in the following activities, upon the principles of equality and reciprocity.
  - a. Exchange of faculty members and research fellows.
  - b. Exchange of academic materials, publications and information.
  - c. Other activities agreed by two institutions.
2. Each institute does not assume any financial responsibilities by this agreement. Nothing in this agreement constitutes any relationship of employer or employee, principal and agent or partnership between the institutes. No institute shall have any authority to bind the other in any manner whatsoever. This agreement is not an exclusive arrangement. Each institute is at liberty to enter into agreements or arrangements with other educational institutions.
3. Any technology, invention, creative work, research outcomes or related intellectual property developed in the joint project shall belong to both institutes.
4. Institutes will consult each other in relation to revisions or additions to the agreement. Both institutes commit themselves to inform the other promptly about necessary changes in the agreement.
5. The agreement shall come into effect on the date of the signatures to the agreement and shall be valid for a period of five years. The validity of the agreement may be extended after mutual consultation.

This agreement has been read and approved by:

(Signed)

(Name: Suwono, Hadi)  
Dean  
Faculty of Mathematics and Natural Sciences  
Universitas Negeri Malang  
Date and Year:

(Signed)

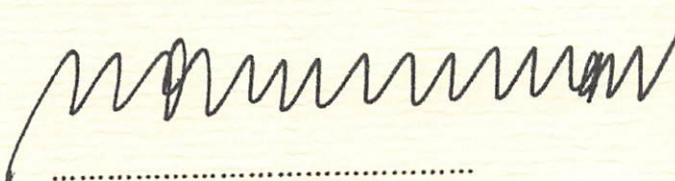
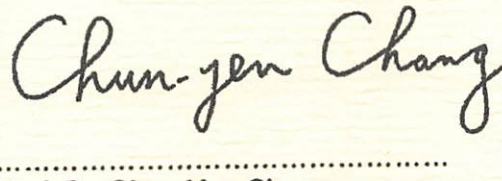
(Name: Chang, Chun-Yen)  
Director  
Science Education Center  
National Taiwan Normal University  
Date and Year:

**APPENDIX A. PROJECT IMPLEMENTATION 2023-2025**

<b>TERMS OF REFERENCE</b>	
<b>ITEMS</b>	<b>DESCRIPTION</b>
<b>Faculty of mathematics and Science (FoMS) Universitas Negeri Malang</b>	Mathematics Education Physics Education Biology Education Chemistry Education Science Education
<b>National Taiwan Normal University (NTNU)</b>	Science Education Center Graduate School of Science Education
<b>Agenda of Collaboration</b>	<ol style="list-style-type: none"> <li>1. International Conference on Mathematics and Science Education, 2023-2025 in FoMS</li> <li>2. Symposium on Science Education in NTNU</li> <li>3. International Summer Course on STEM Education in FoMS</li> <li>4. Co Teaching on science education in undergraduate and graduate programs in FoMS</li> <li>5. External examiners</li> <li>6. Research collaboration on science education, with the funding from Universitas Negeri Malang, NTNU, other donors, and Ministry of Education and Culture Republic of Indonesia</li> </ol>
<b>Duration</b>	17 <sup>th</sup> of March 2023 until 31 <sup>st</sup> December 2025

Faculty of Mathematics and Science  
UNIVERSITAS NEGERI MALANG

Science Education Center  
NATIONAL TAIWAN NORMAL UNIVERSITY

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Prof. Dr. Hadi Suwono, M.Si  
Date: 17 March 2023

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Prof. Dr. Chun-Yen Chang  
Date: 17 March 2023