



WORLD CLASS ISLAMIC UNIVERSITY  
**UNISSULA**  
SULTAN AGUNG ISLAMIC UNIVERSITY



**IGES**  
ISLAMIC - GREEN - ECO - SMART

# International Short Course City **Resilience**, Disaster **Mitigation**, and Infrastructure (RMI) Week 2023



**Faculty of Engineering UNISSULA**  
**February 21<sup>st</sup> – 24<sup>th</sup> ,2023**

**TERM OF REFERENCE**  
**INTERNATIONAL SHORT COURSE 2023**  
**Faculty of Engineering – Sultan Agung Islamic University**

**1. BACKGROUND**

Faculty of Engineering – Sultan Agung Islamic University (FT UNISSULA) has a vision to be a leading faculty in the field of teaching, research, and community service. In regards to reach the vision, FT UNISSULA collaborates with international partner universities to conduct various activities. As the implementation of partnership as well as to increase international students joining our faculty programs, FT UNISSULA will conduct the first International Short Course Program entitled **Resilience, Mitigation, and Infrastructure Week (RMI Week) 2023**. This program will be held virtually on February 21<sup>st</sup> – 24<sup>th</sup>, 2023 involving prominent speakers (academician and practitioner) from our national and international partners.

RMI Week will discuss about the environmental challenges faced by Semarang city and its surrounding, especially in the coastal area. It is known that the northern part of Semarang city has been suffering a lot from land subsidence (settlement) and inundation coming from rainfall and tidal flood. To make it worse, Semarang city also has a high rainfall intensity every year. In 2021, the rainfall intensity reached 170 mm causing massive flood hitting all area in lowland of Semarang.

Another case study that will be highlighted in RMI Week 2023 is the resilience of *Timbulsloko* community in Demak city. They are the people whose refuse to leave their houses due flooding and choose live side by side with it. All these real life problems will surely enrich the participants' knowledge and develop their sense of empathy to give solution for the challenge.

## 2. OBJECTIVES

RMI Week 2023 is aimed to:

- Increase the awareness of climate change and coastal problems
- Gain and improve knowledge on problems and recent technology in water management
- Enhance cross cultural understanding and cross cultural collaboration
- Strengthen and expand network of collaboration both internal and external partners

## 3. ACTIVITIES

The detailed activities of RMI Week 2023 are:

NO.	TIME (GMT+7)	AGENDA	SPEAKER
<b>DAY 1 - FEB 21, 2023</b>			
1	08.30 - 09.30	Opening Ceremony	Remark by Vice Rector for Academic and Partnership Affairs (UNISSULA)
2	09.30 - 10.45	Lecture 1 - Timbulsloko Case Study "Community Resilience"	<b>Dr. Mila Karmilah, S.T., M.T.</b> (UNISSULA)
3	10.45 - 12.00	Lecture 2 – Introduction to Polder System	<b>Prof. Dr. Ir. S. Imam Wahyudi, DEA.</b> (UNISSULA)
4	12.00 - 13.00	Lunch Break	
5	13.00 - 14.15	Lecture 3 - Soil Improvement	<b>Andreas Erdian Wijaya, S.T., M.T.</b> (PT. Geotekindo, Indonesia)
6	14.15 - 15.30	Lecture 4 - Recent Technology on Water Management in Netherland	<b>Prof. Floris Boogaard</b> (Delft University, The Netherlands)
<b>DAY 2 - FEB 22, 2023</b>			
1	09.00 - 10.15	Lecture 5 - Tanjung Mas Case Study "Community Involvement in Water Management"	<b>Mr. Teguh</b> (Community of Pumping Empowerment and Environment Management at Panggung Lor, P5L Indonesia)
2	10.15 - 12.00	Cultural Exhibition	
3	12.00 - 13.00	Lunch Break	
4	13.00 -14.15	Lecture 6 - Compacted Soil Liner for Landfill Facilities	<b>Assoc. Prof. Dr. Kamarudin Bin Ahmad</b> (Universiti Teknologi Malaysia)
5	14.15 - 15.30	Lecture 7 - Floating Construction	<b>Dr. Rutger de Graaf and Van Dinther</b> (Co-founder & Director Blue21 - The Netherlands)

DAY 3 - FEB 23, 2023			
1	09.00 - 10.15	Briefing Group Project	
2	10.15 - 12.00	Making Group Project	
3	12.00 - 13.00	Lunch Break	
4	13.00 - 16.00	Making Group Project	
DAY 4 - FEB 24, 2023			
1	09.00 - 12.00	Project Presentation	
2	12.00 - 13.00	Lunch Break	
3	13.00 - 13.30	RMI Award	
4	13.30 - 14.00	Closing Ceremony	

#### 4. PARTICIPANTS

This program is open for **30 students** of undergraduate and graduate level from partner universities.

#### 5. BENEFITS

The benefits for participants are;

- E- Certificate
- Transcript Credits 1,5
- Networking and collaborative project

#### 6. PLATFORM

The online platforms that will be used for this program are **Zoom Video Meeting** (for synchronous meetings) and **WhatsApp** (for daily communication). Please install those applications in your device.

## 7. REGISTRATION

Participants must complete the registration form in this link: [s.id/rmiweek2023](https://s.id/rmiweek2023)

Registration deadline is on **February 10<sup>th</sup>, 2023**,

## 8. MORE INFORMATION

For more information about RMI Week 2023, visit our page at <https://ft.unissula.ac.id/>,

Should you have any inquiries, please do not hesitate to contact us via email at **international@unissula.ac.id**

## 9. CLOSING

The Term of Reference is designed as a framework in conducting RMI Week by Faculty of Engineering UNISSULA in collaboration with Office of International Affairs UNISSULA.