

**Compilations of images for the completed and ongoing activities**

**1. Project kick-off meeting (13th October 2023)**



**2. The International Workshop on Microplastics in the Coastal Environment of Southeast Asia: Science, Health, and Policy Perspectives (20th February 2024 & 21th February 2024)**

## International Workshop on Microplastics in the Coastal Environment of Southeast Asia: Science, Health, and Policy Perspectives

**MORNING**

8.30 – 9.00 am Registration

9.00 – 9.20 am Welcoming speech by **Dr. Norfazzrin Mohd Hanif**, Project Leader  
Opening remarks by **Prof Dr. Ishak Ahmad**, Dean of the Faculty of Science and Technology, UKM  
Photo session

**SESSION I - MICROPLASTIC AND ENVIRONMENT**  
Chair: **Assoc. Prof. Dr. Sharifah Nabihah Syed Jaafar**, Universiti Kebangsaan Malaysia

9.20 – 9.50 am **Prof Dr. Daoji Li**, East China Normal University, Shanghai, China  
Widely accepted monitoring and assessment method for microplastic pollution

9.50 – 10.20 am **Dr. Norfazzrin Mohd Hanif**, Universiti Kebangsaan Malaysia  
Establishing a Pilot Network for Microplastic Monitoring and Analysis in the Coastal Environment of Southeast Asia

10.20 – 10.50 am **Dr. Do Thi Thuy Quyen**, Vietnam National University Ho Chi Minh  
Occurrence of Microplastics from Inland Sources and their Impact on Coastal Environments

11.10 – 11.40 am **Dr. Saisiri Chaichana**, Songkhla Rajabhat University & **Dr. Siriporn Borriukwisitsak**, Silpakorn University  
Microplastic and Environment: Thailand Research Perspective

11.40 – 12.10 am **Assoc. Prof. Dr. Yusuke Fujii & Mr. Kotaro Kitano**, Osaka Metropolitan University, Japan  
A Case Study on Atmospheric Microplastic Characterization in Osaka, Japan

*ITINERARY* <<

**AFTERNOON**

**SESSION II - MICROPLASTIC POLICY AND ANALYSIS**  
Chair: **Dr. Saisiri Chaichana**, Songkhla Rajabhat University

2.00 – 2.30 pm **Mr. Phaothep Cherdusukjai**, Department of Marine and Coastal Resources Thailand  
Role of the Department of Marine and Coastal Resources to Microplastic Situation in Thailand

2.30 – 3.00 pm **Assoc. Prof. Dr. Sharifah Nabihah Syed Jaafar**, Universiti Kebangsaan Malaysia  
Analytical Techniques for Monitoring and Identification of Microplastics

**SESSION III - MICROPLASTIC AND HEALTH**  
Chair: **Dr. Siriporn Borriukwisitsak**, Silpakorn University

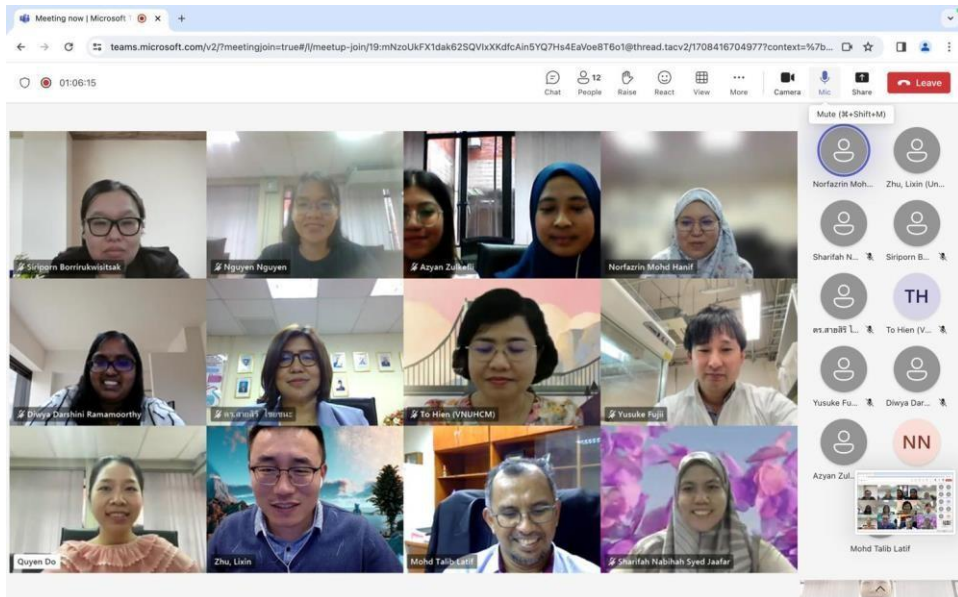
3.00 – 3.30 pm **Prof. Dr. Norfilza Mohd Mokhtar**, Universiti Kebangsaan Malaysia  
Microplastic Contamination in Inflammatory Bowel Disease Patients: Link to Disease Severity and Gut Microbiota

3.30 – 4.00 pm **Dr. Vahitha Abdul Salam**, Queen Mary University of London  
Understanding the Impact of Microplastics on Human Health: Analytical Approaches and Emerging Concerns

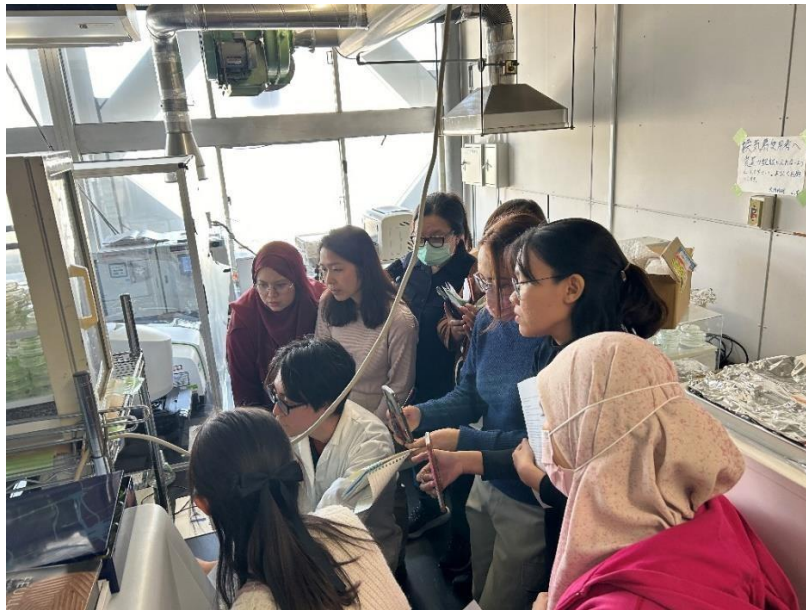
4.00 – 4.30 pm Closing remarks by **Prof. Dr. Mohd Talib Latif**, Universiti Kebangsaan Malaysia

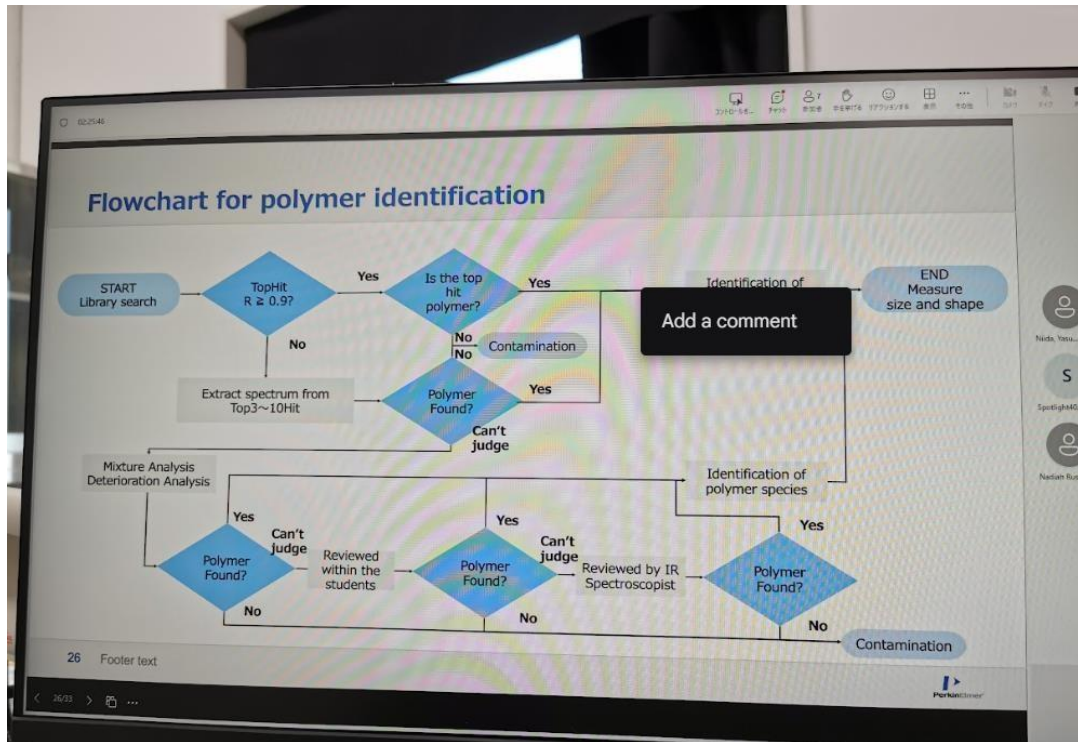
**Date (Time) :** February 20, 2024 (9:00 AM - 5:00 PM)

**Platform :** Cisco Webex

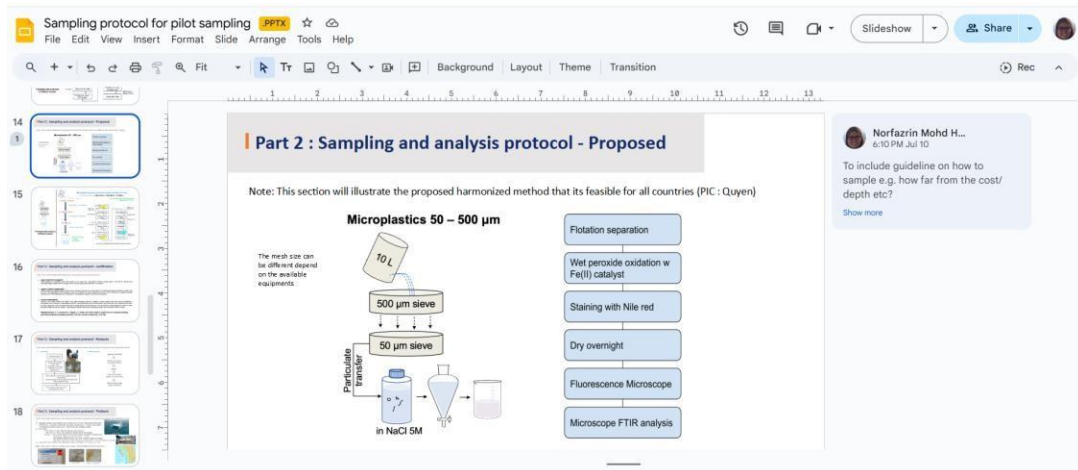


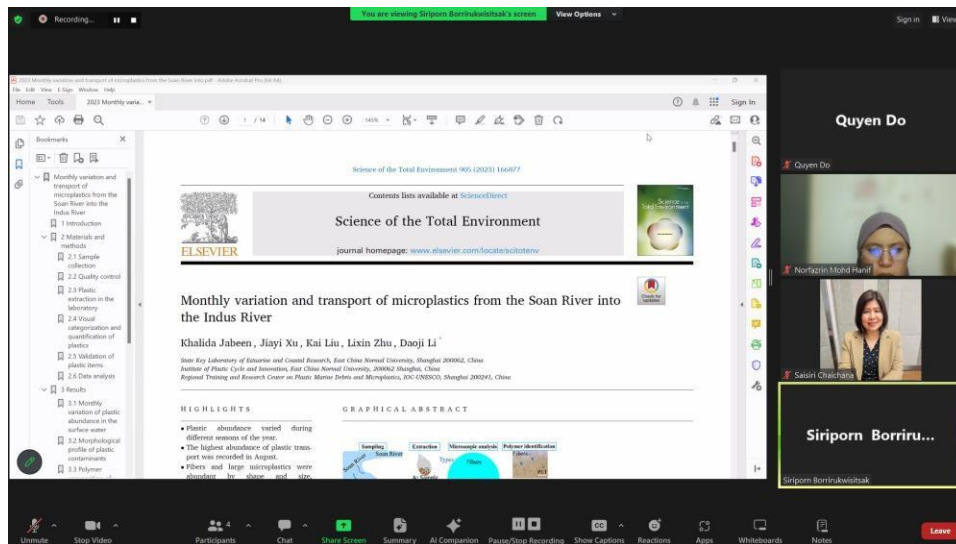
**3. Training of Trainers on Analysis of Microplastic in The Environment (18 – 22th March 2024)**



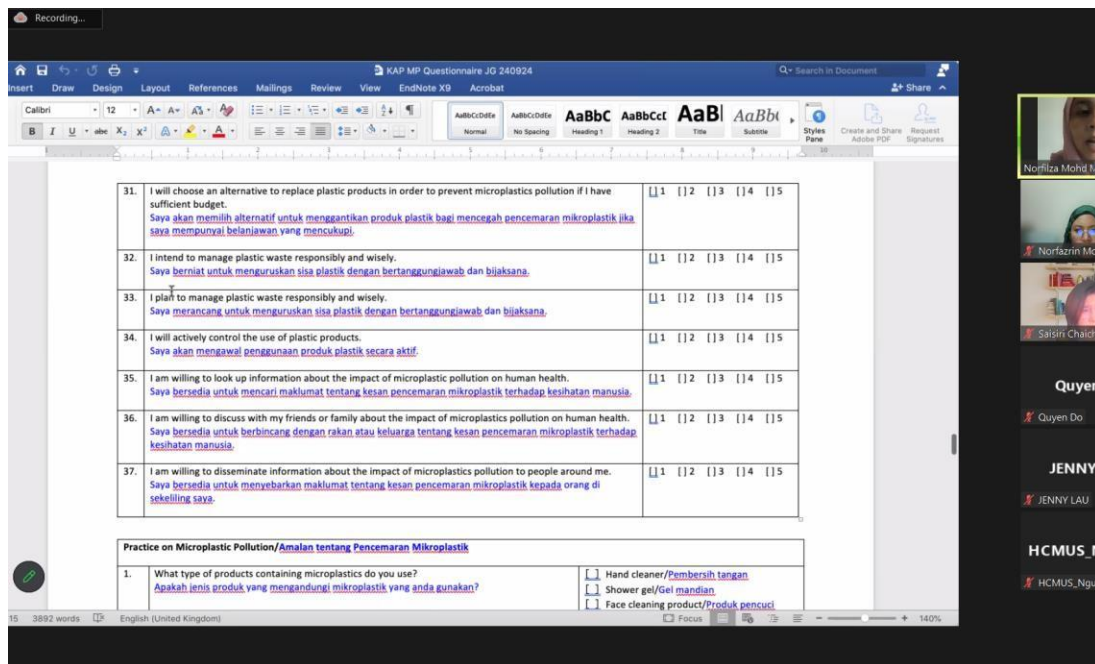


- A series of discussions has been held to develop a standardized protocol for sampling and analyzing microplastics in air and surface water.





5 Discussion on questionnaire development to assess the local community's knowledge and understanding of microplastics and their potential health impacts.

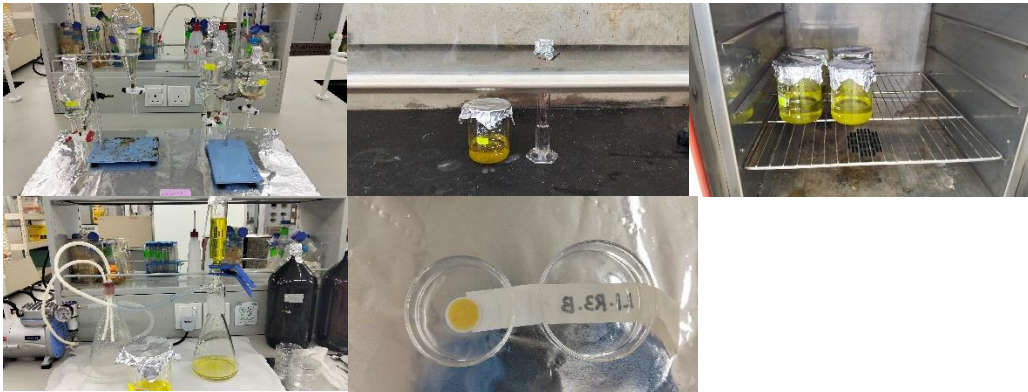


## 6 Accomplishment of Pilot Sampling and Analysis

### Sampling Activities:



### Sample Preparation Activities:



## 7 Discussion on Manuscript Drafting (8 August 2025)

Norfazrin Mohd Hanif (Presenting, annotating)

Figure 3.1: Concentrations of airborne microplastics in suspended air and deposited air based on published work from 2019 to 2024.

### 3.2 Status of research on atmospheric microplastic monitoring in Southeast Asia and common challenges

- Methodologies vary and there are currently no standardized methods for sampling and analysis of airborne microplastics.
- The fundamental workflow of atmospheric microplastic monitoring was observed. However, variations occurring at every step of the analytical chain and limited understanding of the consequences of the variation introduced make direct comparisons between datasets difficult.
- The lack of infrastructure is a major barrier to the production of scientific outputs in the field of atmospheric microplastics research in this region.
- Airborne microplastic research in more developed countries often requires costly and technically advanced equipment such as pyrolysis-GCMS, which is not widely affordable.
- Some other limitations further include:

Summary of research and references can be found here

Norfazrin Mohd Hanif

jenny lau

In-call messages

You can pin a message to make it visible for people who join later. When you leave the call, you won't be able to access this chat.

Norfazrin Mohd Hanif 13:09  
Difficulties in sourcing costly chemicals and consumables directly in the country due to cost or the absence of local suppliers in our region  
Airborne microplastic research in more developed countries often requires costly and technically advanced equipment such as pyrolysis-GCMS, which is not widely affordable.

Send a message