

芝浦工業大学 SHIBUURA INSTITUTE OF TECHNOLOGY		Report on the implementation of Global PBL (dispatch) in FY2025			
Digital Campaign on Climate Change and Environmental Sustainability through Collaborative Education					
Implementation period	country of implementation	Joint Implementation Organization	subject (of taxation, etc.)	participant	Faculty in charge of this university
March 1, 2026 March 8, 2026	Indonesia	Widya Mandala Catholico University of Surabaya National Taiwan University of Science and Technology Osaka Institute of Technology	Program of Chemistry and Materials first year undergraduate second- year Dept Applied Chemistry Dept Material Engineering 4th-Floor and fourth year undergraduate students	(Shibaura Institute of Technology) 1 student, 1 faculty (Widya Mandala Catholico University Surabaya) 24 students, 8 Staffs & Instructors (Osaka Institute of Technology) 8 students (National Taiwan University of Science & Technology) 8 student, 1 Faculty	Yasuo Yoshida (Faculty of Engineering)



Image1. Getting Together

The theme for this year was "Digital Campaign on Climate Change and Environmental Sustainability through Collaborative Education". Students from Widya Mandala Surabaya Catholic University (UKWMS), National Taiwan University of Science and Technology (NTUST), Osaka Institute of Technology (OIT), and Shibaura Institute of Technology (SIT) formed teams to discuss and develop digital campaigns aimed at raising awareness for ecological sustainability and climate change.

Each team was composed of approximately 8 to 10 members, with a total of six small groups collaborating throughout the program. Participants explored local ecological issues and shared best practices from Japan, Taiwan, and Indonesia to brainstorm creative solutions.

The final outcomes were presented during a "Mini Expo". In this session, each group delivered a presentation to a panel of judges, explaining their group activities, chosen themes, and the digital outputs they created during the program.

A key emphasis this year was on "hands-on experiences". On March 3rd, in celebration of World Wildlife Day, students participated in a mangrove plantation activity at the Wonorejo conservation area... They also visited a local handicraft store to learn the traditional art of Batik making. On the final Saturday, students enjoyed a city tour with options to visit the Surabaya Zoo or join a Surabaya Heritage Tour, further deepening international friendships and cultural understanding.



Image2. Boating to Mangrove  
planting



Image3. Zoo

Figure 5: Distillation column in the Unit Operations Laboratory

Figure 6: Opening Ceremony