

global PBL "Making Chemical-Fun Video for high school students"

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
Jul24 ~Sep04, 2021	Japan	Widya Mandala Catholic University Surabaya National Taiwan University of Science and Technology Osaka Institute of Teohnology	Department of Applied Chemistry Undergraduate 1st grade Undergraduate 2nd grade Undergraduate 3rd grade Undergraduate 4th grade	(SIT) Students 10, TA 4, Professor 1, Staff 1 (Widya Mandala Catholic University Surabaya) Students 16, TA 2, Professor 3 (National Taiwan University of Science and Technology) Students 1, Professor 1 (Osaka Institute of Technology) Students 6, Professor 3 (Shibaura Institute of Technology Kashiwa High School) Students 2, Professor 1 (Widya Mandala Catholic University High School) Students 16, TA 2, Professor 3	YOSHIMI Yasuo (Department of Applied Chemistry)

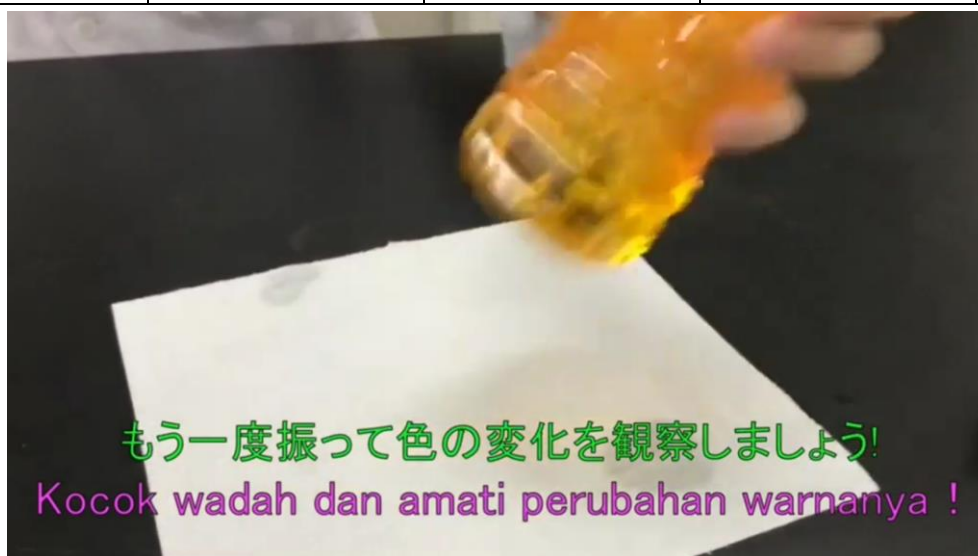


Image1 One scene of the presentation

The inbound PBL and the outbound PBL to NTUST (Taipei) that were scheduled for August and September had to be cancelled again this year due to the COVID-19 pandemic. As a program that would allow participants to work together across countries even in the absence of traffic, Prof. Yoshimi developed a plan to have participants compete in creating a "Chemical Fun Video" to show the fun of chemistry to high school students, and implemented it as follows.

- (1) Eight teams of participants from different countries were formed.
- (2) Each team made a plan for an experimental video and an explanatory video.
- (3) The teams presented their plans and critiqued each other.
- (4) Videos were made.
- (5) The videos were posted on YouTube.
- (6) High school students who watched the video evaluated it. (The videos were also shown at our Open Campus.)
- (7) The teams with the highest evaluations were awarded.

Even though the project was remote, the participants seemed to be able to develop friendships that transcended national borders through their collaborative work. Several of the WMCU participants are also enrolled in our short-term study abroad courses.

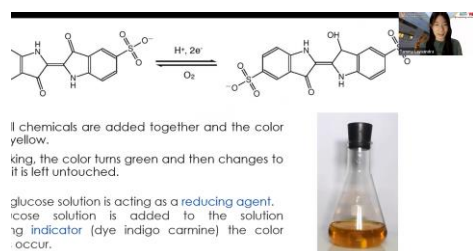


Image2 One scene of the presentation

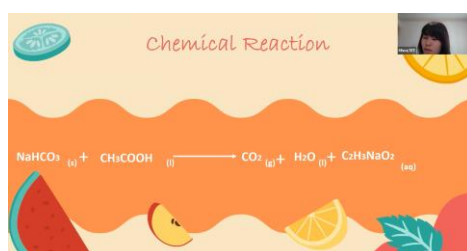


Image3 One scene of the experiment shown is the most evaluated video



Image4 A thumbnails of the highest rated video

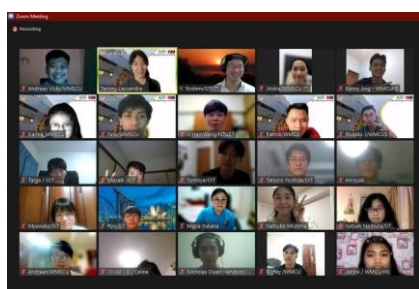


Image5 A group photo