

gPBL at UNIMAS in Malaysia

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2019/08/13 ~2019/08/24	Malaysia	University Malaysia Sarawak	<ul style="list-style-type: none"> Department of Bioscience and Engineering Undergraduate 3rd grade, Undergraduate 4th grade 	(SIT) Students 28, TA 4, Professor 7 (University Malaysia Sarawak) Students 30, TA 4, Professor 7, Staff 5	Department of Bioscience



Image1 3D Printer demonstration

Report about gPBL in UNIMAS 2019 Aug:

As the annual event between Dept. of Bio-Science and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology (SIT) and Universiti Malaysia Sarawak (UNIMAS), the gPBL was held in UNIMAS this August 2019 (13th -24th August). In this gPBL, twenty-eight Bachelor third year students from SIT and same amount of UNIMAS students have attended. Such number of students were divided into several groups. Each group contained 6-8 Japanese and Malaysian students. Science course students got study theme 'Food Safety', and they tried to check the fish at market and river water concerning the heavy metal amount, microorganisms' kinds, and micro-plastics amount, respectively. Engineering course students got the theme "Development of solar energy ship and competition of its performance", and they designed solar-energy boat using 3DCAD, and prototyped it using 3D printer and commercial materials, and finally examined its performance by water experiments. At the mid-term and final presentation, students discussed very much about their output and interpretation on their data. Excellent group in each course was awarded at farewell party. Students experience professional practical study through this gPBL, and they finally got nice friends in Malaysia. It was also reported student's lots of cry at saying goodbye at the airport.



Image2 At Sports activity



Image3 Presentation



Image4 Presentation



Image5 View of weekend activity



Image6 View of weekend activity



Image7 Students products