

Bioscience gPBL in Sunway University, Malaysia

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2026/02/23 ~2026/03/03	Malaysia	Sunway University	<ul style="list-style-type: none"> •Department of Bioscience and Engineering • Undergraduate 2nd grade, Undergraduate 3rd grade, Undergraduate 4th grade, Master 1st grade, Master 2nd grade 	(SIT) Students 15, Student Staff 1, Professor 2 (Sunway University) Students 30, Professor 6	AZHAM ZULKHARNAINO, HIROTA YoshihisaO



Image1 local fresh market

This gPBL was conducted between the Department of Life Science and Engineering at SIT and the Faculty of Medical and Life Sciences at Sunway University, Malaysia. This is the first gPBL program conducted with Sunway University. The topics explored by the participants this year were (a) the microbial assessment of fresh food in local markets and (b) antioxidant measurement in food.

As part of the gPBL scientific activities, participants visited a nearby local market where fresh seafood samples were purchased for evaluation. In the laboratory, the seafood samples were processed for bacterial counts and the identification of bacterial species. Participants conducted various biochemical tests and microscopy observations. Through this program, participants learned about scientific methodologies to assess food hygiene and their practical applications, while interacting with peers from diverse cultural and linguistic backgrounds.



Image2 laboratory experiments



Image3 cultural performance



Image4 group photo