

gPBL on Mathematical Sciences

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2025/08/10 ~2025/08/18	Indonesia	Institut Teknologi Sepuluh Nopember	<ul style="list-style-type: none"> Department of Mathematical Sciences Undergraduate 1st grade, Undergraduate 2nd grade, Undergraduate 3rd grade, Undergraduate 4th grade 	(SIT) Students 13, Student Staff 2, Professor 2 (Institut Teknologi Sepuluh Nopember) Students 18, Student Staff 6, Professor 2	TAMORI Hiroyoshi(), SUZUKI Tatsuo()



Image1 Group photo

From August 10 to 18, 2025, a global PBL program was held at the Institut Teknologi Sepuluh Nopember (ITS). A total of 31 students participated, including 13 from SIT and 18 from ITS. They were supported and guided by 2 faculty members from each university, 2 TAs from SIT, and 6 TAs from ITS. As part of the gPBL activities, students were divided into six groups and engaged in group work on two projects proposed by faculty members (one from ITS and one from SIT). The first project involved designing an algorithm for a game in which players guess a sequence of numbers based on hints indicating how many digits are correct. The second project focused on building a better rating system through simulations using MATLAB. After three to four days of group work on each project, the students presented their results at presentation sessions. During the program, students also experienced Indonesian culture through sightseeing in Malang, a batik workshop, a club activity (Merpati Putih), and an Independence Day event. Beyond group work, they interacted through after-class activities, a welcome party, and a farewell party, which helped deepen friendships. The program went smoothly and was a valuable experience for all participants.



Image2 Group work



Image3 Sightseeing in Malang



Image4 Merpati Putih



Image5 Independence day activity



Image6 Presentation