

SCIENCE PROGRAM ENHANCEMENT FOR TEACHER AT INDONESIAN SCHOOL OVERSEAS

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Abstract

Indonesian School Overseas applies Indonesia's curricula. This community service was conducted onsite in three Indonesian schools overseas: Bangkok (Thailand), Johor Bahru (Malaysia), and Singapura (Singapore). The community services program aims to enhance teachers' knowledge and skills in science activities with simple tools in daily life. Besides onsite, the program was also conducted online with three keynote speakers from Murdoch University, Australia, Curtin University, Australia, and Universiti Teknologi Malaysia, Malaysia. The Program was attended by 46 onsite participants, and 146 online participants.

Keywords: Education, Science, Enhancement Program, Indonesia School.

INTRODUCTION

Indonesia School Overseas applies Indonesia curriculum for the teaching and learning activity (Fitriati, Romdana, & Rosyidi, 2014). There are fourteen Indonesia School Overseas: Bangkok (Thailand), Davao City (Thailand), Damaskus (Syria), Den Haag (the Netherlands), Johor Bahru (Malaysia), Kota Kinabalu (Malaysia), Kuala Lumpur (Malaysia); Riyadh, Jeddah (Saudi Arabia), Kairo (Egypt), Moscow (Rusia), Singapura (Singapore), Tokyo (Japan), and Yangon (Myanmar). Most of the schools provide several levels from pre-school to senior high school.

In this community services UNJ will enhance teachers' knowledge and skills in science activities with simple tools in daily life. Therefore, science activity will be easier, cheaper, and more interactive. The onsite workshop program consists of two materials STEM education and physics made easy. Meanwhile, the online workshop: Learning Environment for Student Engagement and Interactive Learning through STEM. Teachers were introduced with the existing facilities to support the science activity creatively (Huang & Lee, 2015). Besides science activities, teachers were also introduced to the SGD's, how to support the environment. At the end of the program, teachers develop their own science activities.

THE IMPLEMENTATION AND METHOD

The community service program was conducted in two modes: Onsite and online program. The onsite program was conducted in Bangkok, Singapore, and Johor Bahru, Meanwhile the online program delivered though zoom meeting platform. During the program, UNJ incollaboration with the the Indonesian Embassy of the republic of Indonesia in Bangkok and Singapore, Consulate general of

Republic Indonesia in Johor Bahru, and Curtin University. In collaboration UNJ provides the workshop program, workshop material, certificate, and the speakers. The Indonesian Embassy and Indonesian Consulate provided the participant and the venue. The Curtin University helped to develop the workshop material together with UNJ.

OUTPUT AND ACHIEVEMENT

The onsite workshop was participated by 46 teachers from Indonesian school in Singapore, Bangkok, and Johor Bahru. Meanwhile the online workshop was participated by 146 educators from Timor Leste and several Indonesian School overseas.

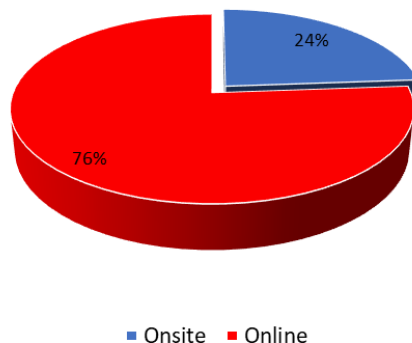


Figure 1. The workshop participants'

The online workshop was participated by 59 educators from various university in Timor Leste, 46 teachers from Indonesia School Overseas, and 41 students from Indonesia Universities.

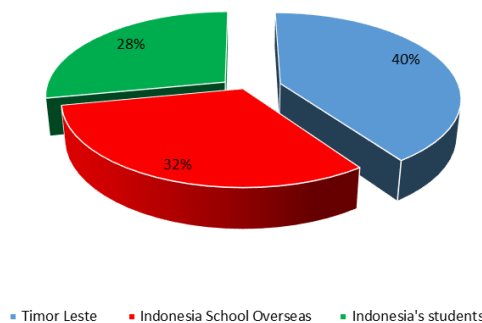


Figure 2. The online workshop participants

The test consists of 20 questions, which are questions on the profile of pelajar Pancasila, two questions on STEAM Education, four questions on learning environment, eight questions on quality assurance in teaching performance, and two questions on ICT in Education. The following figures are the pretest and posttest results for questions 1 to 10. The average score of the pretests was 58.5. Meanwhile, the average score of posttests was 76.6. Those scores indicated an enhancement in teachers' comprehension of the webinar topic.

CONCLUSIONS AND RECOMENDATION

The enrichment program for Sekolah Indonesia Luar Negeri is essential for SILN's teachers. The program helps teachers develop and update their knowledge and skill on pedagogic and the new curriculum. Therefore, we recommend that the program should be conducted regularly every year.

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