

SEAQIS's Efforts In Improving Science Teacher to Keep Learning Continuity During And Post Covid-19 Pandemic Era

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Abstract

Covid-19 pandemic has resulted school closure that affects hundred million students around the world. As a result, education has changed drastically where distance learning is the best option to be implemented. Therefore, it forced teachers to extremely adapt their learning approaches, methods, or learning media in delivering subject materials. They should apply various distance learning media to conduct distance learning effectively. In order to improve science teachers' competency to conduct science lesson during and post-pandemic era, SEAMEO QITEP in Science (SEAQIS) has conducted various programmes such as trainings, researches, and webinars. To carry out the Centre's function, SEAQIS conducted a survey to figure out difficulties faced by teachers in establishing students' engagement caused by using of distance learning platforms or medias which mostly optimize chat applications.

As one of efforts to overcome this challenge, SEAQIS developed training on implementing digital application on science learning which has been conducted several times. This training aims to improve teachers' digital literacy on using digital application that can be used to deliver science materials online. Through this training, teachers are able to maximize digital application from Google, Microsoft or online assessments to develop lesson plan as well as to implement online science learning. SEAQIS realizes that the implementation of distance learning will be more effective when teachers use interactive and interesting learning media. Thus, SEAQIS gives an opportunity for teachers to develop learning media through SEAQIS Research Grants programme. Through this programme, for approximately 10 months, teachers receive research guidance to develop their proposed learning media. SEAQIS also has online, offline, and blended trainings focusing on two themes. The themes are training on STEM learning and training on integrating computational thinking into science learning. By organising the two trainings, teachers are expected to be able to implement online science learning which provides learning experiences for students to improve their 21st century skills. SEAQIS organises The SEAQIS webinar series as an online forum for teachers to disseminate their best practices on online science learning. The speakers are not only teachers but also education experts from various institutions presenting the latest science education trends and issues. SEAQIS believes that these excellent services can support teachers to conduct science learning during or post covid-19 pandemic era.

Keywords: SEAQIS excellent programmes, science learning, covid-19 pandemic