

Workshop on Preparing Integrated Science Teaching Materials Adapted to Contextual NGSS (Next Generation Science Standards) with Covid-19 to Optimize PCK (Pedagogical Content Knowledge) for Middle School Science Teachers in the 21st Century Technology Era.

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ABSTRACT

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This training activity aims to improve the pedagogic competence and professional competence of junior high school science teachers in Magelang Regency in compiling Integrated Science Teaching Materials Adapted to Contextual NGSS (Next Generation Science Standards) with Covid-19 to Optimize PCK (Pedagogical Content Knowledge) Middle School Science Teachers in the Era of 21st Century Technology.

This activity was attended by 20 science teachers at SMP Magelang Regency. The training activities will be held online on Saturday, 29 May 2021 and Friday, Saturday 4, 5 June 2021 (asynchronous). The material presented on the first day included Integrated Science teaching materials adapted to NGSS (Next Generation Science Standards) which were contextual to Covid-19. Activities on the second day were focused on designing teaching materials for adaptation of NGSS (Next Generation Science Standards). The step of the third day workshop activity consisted of assisting in the preparation of teaching materials asynchronously. The method of training activities consists of lectures, questions and answers and discussions. Activities are carried out through the stages of preparation, implementation and evaluation. The preparation stage is carried out by coordinating with the MGMP IPA SMP Magelang district in determining the time and place of training. The evaluation stage is carried out during the training process and assessment of teaching material products.

Based on the indicators of success, this regional development PPM activity can be carried out quite successfully, as seen from each science teacher in each group actively participating in preparing the Integrated Science Adaptation NGSS (Next Generation Science Standards) teaching materials that are contextual to Covid-19. The science teacher responded to the activities very well and gave suggestions for improvement of the next training.

Kata Kunci: *integrated science teaching materials, Next Generation Science Standard, Covid 19, Pedagogical Content Knowledge*