

Workshop on Preparation of Integrated Science Learning Adaptation of NGSS (Next Generation Science Standards) with Online Learning Platforms for Optimizing PCK (Pedagogical Content Knowledge) for Middle School Science Teachers in the 21st Century Learning Era.

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ABSTRACT

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

This activity was attended by 29 science teachers at SMP in Bantul Regency. The training activities will be held on Saturday, September 3, 2022, offline at SMP N 1 Imogiri and Saturday, September 17, 2022, online through a zoom meeting. 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 IPA MGMP SMP Bantul district in determining the time and place of training. The evaluation stage is carried out during the training process and the assessment of teaching material products.

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

Kata Kunci: *integrated science, Next Generation Science Standard, online learning, PCK*