Training of Hands-on Science Activity Preparation Based Local Technology to Enhance Innovation and Creativity Junior High School Science Teacher in the district of Sleman Toward 2013 Curriculum.

by Susilowati , Purwanti Widhy H. , Maryati , Widodo Setyo Wibowo

ABSTRACT

This training activity aims to improve the understanding of 2013 curriculum for science teachers of SMP Muhammadiyah in Sleman district, improve the understanding of the concept of integrated science learning (integrated science) for Muhammadiyah junior high science teacher in the district of Sleman , improve the skills of science teachers in designing hands-on science activity integrated science in 2013 curriculum according to the local technology in Muhammadiyah School in Sleman district .

This activity was followed by Muhammadiyah junior high science teacher in the district of Sleman, Yogyakarta. Teachers are invited by 25 science teachers. In practice , the participants who followed the events of 20 science teachers on the first day and 16 on the second day of a science teacher . The event was held over two days, Saturday , on October 26 and October 27, 2013 in the school of science education program study. The material is presented on the first day of 2013 curriculum related to the curriculum includes science learning, integrated science philosophy, learning models and integration of integrated science, integrated science learning step, the preparation of a hands-on science activity based locally technology. Step second day of the training consisted of formation of groups , mapping of core competence and basic competence, preparing lesson plan in according 2013 curriculum, compiled students activity sheet (worksheet) based on local technology . Training methods consist of lectures , question and answer and discussion. Activities carried out through the preparation, implementation and evaluation . The preparation stage is done in coordination with the BKS Sleman in determining the time and place of training. Phase evaluation is done by giving the questionnaire responses of teachers to implementing activities . In addition, the evaluation phase is done by assessing the results of RPP and worksheet and provide advice to the teacher.

Based on indicators of success, PPM activities can be carried out quite successfully with a learning device generates 7 (integrated science lesson plans and worksheets). Each teacher in the group has been able to draw up lesson plans appropriate 2013 curriculum. In addition, teachers can understand the steps in the development of learning science in 2013 curriculum, preparing lesson plan based on the 2013 curriculum, can design the worksheet based on local technology.

Kata Kunci: *Hands-on Science Activity , Local Technology , 2013 Curriculum*