

# **Training to Design CoRes (Content Representation) based on Pedagogical Content Knowledge as a Guideline for the Preparation of Science Learning Tool to Optimize Pedagogical Competence and Professional Competence of Science Teachers in Yuniior High School.**

**by Susilowati, Purwanti Widhy H., Widodo Setiyo Wibowo**

## **ABSTRACT**

This training aims to improve the pedagogical competence and professional competence of science teachers Yuniior High School in Magelang Regency in planning the lesson which result in learning planning product which considering 8 aspects in CoRes (Content Representation) and realized in teaching activity through peer teaching.

This activity was followed by science teacher of SMP in Magelang district 3 subrayon. Participants invited 30 teachers of subrayon 3 MGMP Magelang. However, when the implementation was present only 25. Training activities were held on 9, 10 and 24 September 2017. The materials presented on the first day included insights on how to peddle Pedagogic Content Knowledge, Content Representation (CoRes), misconceptions and device of learning. Activities on the second day focused on designing CoRes and RPP. Steps of the third day workshop consisted of CoRes presentations and learning tools as well as peer teaching. Methods of training activities consist of lectures, frequently asked questions and discussions. Activities are carried out through the preparation, implementation and evaluation phase. The preparation phase is done by coordinating with Magelang sub-district 03 MGMP in determining the time and place of training. Evaluation stage is done by giving questionnaire of teacher response to implementing activity. In addition, the evaluation stage is done by assessing the outcomes of CoRes and RPP and providing advice to teachers.

Based on the success indicators, this area development PPM activity can be performed with considerable success from each science teacher in each group able to arrange one CoRes and one RPP. Science Teachers responded to the activities with great care shown that 100% of the participants gave scores of four and provided suggestions for further training improvements.

*Kata Kunci: CoRes, PCK, Pedagogic and professional competencies.*