

HOT (HIGHER ORDER THINKING) QUESTIONS TRAINING DEVELOPMENT AS THE INCREASE OF TEACHERS PEDAGOGICAL COMPETENCE

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ABSTRACT

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This activity of community service aims to provide an understanding of the characteristics and the way of developing HOT (Higher Order Thinking) questions which have good quality, provides direct experience in transforming common questions into HOT questions and in developing HOT questions for teachers of chemistry in High School at Sleman district. The PPM target is teachers of chemistry in High School at Sleman district who are chosen by random sampling, which means one teacher selected from few teachers of chemistry in each High School at Sleman district. The PPM was held on Saturday in a row on April 23rd, June 11th, and July 23rd 2016 at SMA 1 Seyegan, SMA N 1 Mlati, and SMA N 1 Kalasan, using lectures, discussions, and question and answer about problems associated with development of HOT questions, at once exercises in transforming common questions into HOT and group task in the form of developing HOT questions and present it. Based on the result of the assessment, including the assessment of the attitude of activeness, cooperation, and responsibility in a row in the category good, very good, and good. Assessment of the control of HOT questions through independent assignment change common questions into HOT questions as well as development of HOT questions in group shows unsatisfactory results, because most teachers have not mastered yet, so teachers need to work harder and do more exercise at home or in the forum MGMPs. Assessment of performance showed very good results. In general, this PPM activity success and on target, proved by the participants who were very enthusiastic in following the activities from beginning until end and all participants stated that PPM activity is beneficial. Hopefully, the participants who attended the activity willing to share their knowledge with other teachers in their school or even other schools.

Kata Kunci: *training, HOT questions, pedagogical competenc*