

INSTRUMENT DEVELOPMENT TRAINING ON ASSESSMENT OF PHYSICS LESSONS OF SMA / MA DICOTOMOUS RESPONSE PATTERN AND ITS ANALYSIS TECHNIQUES

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ABSTRACT

Community Service (PPM) aims, after following this activity the participants are expected to be able to compile assessment tools and analysis items in the implementation of the 2013 Curriculum for high school / MA physics teachers in DIY. In particular the participants became more skilled in developing K-13 learning achievement test assessment instruments using standard steps, and were able to analyze the quality of the instrument in an IRT in terms of its validity and reliability. This PPM is in the form of training activities carried out in classical form. The method applied is lecture, information-discussion, and workshop. The activity steps include orientation of the target group's condition, orientation to determine needs, determining the schedule and place of implementation, implementation of activities, observation / reflection, evaluation, and preparation of reports. The target audience for this training activity is all physics teachers in DIY. Based on observations of the implementation of PPM it can be concluded that the training participants of high school / MA physics teachers have improved skills in selecting and compiling cognitive assessment instruments in the form of learning outcomes tests, and have increased in using item analysis software and how to interpret them.

Kata Kunci: *TRAINING ON ASSESSMENT OF PHYSICS*