

Workshop on Development of IRT Standardized Learning Assessment HOTS for Vocational Teachers in Yogyakarta to Improve the Quality of Learning Outcomes

by Dr. Drs. Ir. Haryanto, M.Pd., M.T., Drs. Sunomo, M.T., Alex Sandria Jaya Wardhana, M,Eng.

ABSTRACT

The aim of community service is to increase the understanding of vocational teachers about the quality of learning questions in terms of material, language, construction, classical test theory, and item response theory; and how to do HOTS category question problems related to material, language, construction, classical test theory, and item response theory.

This activity is a training in order to guarantee the quality of HOTS standard questions which are currently expected to help students graduation quantitatively and qualitatively. The activity was carried out in June 2019 in the Department of Electrical Engineering Education FT UNY and was attended by 27 teachers from several public and private vocational schools from D.I. Yogyakarta.

Based on the results of the activity it was found out that some of the participants already knew how to make HOTS questions and analysis of items while studying in S1, but they were not exhaustive. Some of them know how to make HOTS questions and item analysis because they were told by a teacher friend. The R computer program and study sheets used in this service are new to the teacher. Therefore the enthusiasm of the teacher in participating in this activity is very high. The results of questions and answers in each activity indicated that this kind of activity needed to be intensified with a longer and periodic time. In addition the participants argued that the activity would be very useful if it was carried out during the preparation of questions for school exams and national exams.

Kata Kunci: Assessments, Higher Order Thinking Skills, Vocational High Schools, SMK, Item Response Theory.