WORKSHOP OF NATIONAL ASSESSMENT STANDARDIZED-ITEM TEST ANALYSIS BY QUEST PROGRAM FOR VOCATIONAL HIGH SCHOOL TEACHERS WHICH CONDUCT COMPUTER BASED TEST IN KULONPROGO

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ABSTRACT

This program aims to investigate the quality of item test developed by Indonesian Language teachers of Vocational High School which conduct Computer Based Test in Kulonprogo by Rasch Model. This model is based on the modern item response theory assumption. The workshop is conducted in four (4) times meetings, includes: 1) the concept of evaluation and Computer Based Test, item test analysis, and Quest program; 2) item development, validation, and testing; 3) Quest program tutorial for Item Test Analysis; 4) Seminar for item's analysis result. This activity involves MK3S of Indonesian Language in Kulonprogo in which 31 teachers had participated in the program. The result shows that all participants are able to develop and analyze the items. There are 28 item sets (90.32%) from 31 participants. The item quality is analyzed based on the infit with Rasch Model (1 logistic parameter calibration) showed by INFIT MNSQ and the item difficulties index showed by delta/threshold (($\pm$ 2). There are 885 items had produced which 100% fit with the Rasch Model (INFIT MNSQ 0.77-1.30). The item difficulty index based on the delta/threshold shows that there are 50 items which is in easy category, 48 items difficult, and 787 valid items. Teachers give good response however the location of the workshop has to be under consideration.

Kata Kunci: *National Assesment Item Standard, CBT, Rasch Model, Quest Program*