

DEVELOPMENT OF HIGHER ORDER THINKING SKILL (HOTS) INSTRUMENTS VOCATIONAL HISTORY BASED ONLINE IN SMK

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ABSTRACT

This study aims to: 1) describe the procedure for developing an online-based vocational history higher order thinking skill (HOTS) assessment instrument in SMK; 2) knowing the feasibility of the online-based vocational history higher order thinking skill (HOTS) assessment instrument in SMK after going through the validation process; 3) measuring the HOTS level of vocational students with product trials conducted online.

This research is a development research that adopts from Borg & Gall (2003). The population of this research is 180 students at SMK N 2 Depok Sleman. while the sample is 3 history teachers at the SMK. The R&D stages include: a) needs analysis, namely the preparation of proposals; b) planning, namely developing HOTS indicators with a Group Discussion Forum consisting of 10 experts (3 evaluation experts, 3 material experts, and 4 representatives of history MGMP teachers in Sleman); c) limited instrument trial with 40 students and wide trial on 180 students at SMK N 2 Depok Sleman. The results of the trial were analyzed quantitatively, using either the classical approach or the item response theory approach.

The procedure for developing the HOTS assessment instrument has been carried out with three main stages, namely conducting a needs analysis, feasibility test and product effectiveness test. The results of the feasibility test in terms of material are 0.72 with the criteria "fit for use". Meanwhile, in the aspect of content assessment, HOTS questions have a score of 0.83 which are included in the "fit for use" criteria. The readability aspect of the question has a total average score of 0.82 meaning it is in the "good" category. So it can be concluded that the product feasibility results show that the product is feasible to be used to assess historical HOTS in SMK. The measurement results show that the total average of students is 82 so that it is included in the "high" score category. Thus it can be concluded that the measurement results of the HOTS instrument show high results. The product effectiveness test resulted in a score of 0.87, meaning that the product was very effectively used in SMK.

Kata Kunci: *development, HOTS, history*