

DEVELOPMENT OF HIGHER ORDER THINKING SKILL (HOTS) ASSESSMENT INSTRUMENTS FOR HIGH SCHOOL HISTORY SUBJECTS

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ABSTRACT

This research aims to determine: (1) the procedure for developing higher order thinking skill (HOTS) assessment instruments for high school level subjects, (2) the feasibility of higher order thinking skill (HOTS) assessment instruments for high school level subjects after going through the validation process. This research is development research adapted from the Borg & Gall and Mardapi model of test development procedures, which includes the following steps: (1) research and information gathering, (2) planning, (3) initial product development, (4) first stage trial, (5) product revision (6) second stage trial, and (7) final product revision. Research and information gathering are carried out to study concepts based on relevant theoretical studies. The HOTS assessment instrument product was tested using content validation analysis techniques. Validation was carried out at the initial product development stage by research instrument assessment experts, face validation by history learning material experts and three history teachers to assess the readability of the instrument and 5 students to assess the instrument's legibility. The first stage of instrument testing was on 28 students in class XI at SMAN 2 Yogyakarta and the second stage was on 26 students in class XI at SMAN 6 Yogyakarta. Next, at the data analysis stage, an item analysis approach was carried out to test the validity, reliability, level of difficulty, distinguishing power and distraction index to determine the feasibility of the instrument that had been developed. The results of this research are as follows: (1) the stages of the development process, the first is designing a lesson plan that absorbs the HOTS concept based on theoretical studies until it is derived in the second step, namely the design of the HOTS assessment instrument in the form of multiple choice questions consisting of 30 items, the third step The initial product content validation test was carried out with appropriate results from the validator, the final step was to reduce the question product according to the validator's input and trial considerations. (2) the standard of instrument eligibility from the results of the analysis of the items in the first and second testing stages meets the criteria of all being valid based on the MNSQ and ZSTD outfits, reliable with coefficients of 0.40 (sufficient) and 0.75 (strong). Meanwhile, the level of difficulty has an average of 0.452 (medium) and 0.628 (medium). Then the differentiating power test had an average of 0.252 (revised) and 0.333 (revision accepted). Finally, the effectiveness of the distractors in the first and second testing stages had good category criteria.

Kata Kunci: *assessment instrument, HOTS (Higher Order Thinking Skill)*