

APPLICATION OF THE COMPUTER-BASED TEST (CBT) TESTLET MODEL WITH THE CONTEXT OF LOCAL WISDOM AS A NEW FORM OF INNOVATION IN SUPPORTING THE IMPLEMENTATION OF MINIMUM COMPETENCE ASSESSMENT AND INTEGRATED CHARACTER SURVEY (STUDY ON AKM NUMERATION FOR ELEMENTARY SCHOOL LEVEL)

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ABSTRACT

The application and development of a test instrument that is accurate and reliable as well as technology-based to assess aspects of knowledge and attitudes is an innovation needed by teachers in meeting the demands of the National Assessment policy in Indonesia. This study aims to apply the Computer-Based Test (CBT) Testlet Model with the Context of Local Wisdom as a New Form of Innovation in Supporting the Implementation of Integrated Minimum Competency Assessment and Character Surveys. In addition, this research is a new solution for teachers in learning assessment.

This research is an applied research with a mix method approach (quantitative and qualitative) which begins with the development of instruments and applications that have been carried out in the first year of three years. In the first year, to be precise in 2022, the preliminary research phase has been carried out in accordance with what was promised in the proposal, namely: (1) a survey of teacher needs as a basis for designing the right testlet model CBT design; (2) conducting a study and analysis of the components of the national assessment (AKM and Character Survey) that are in accordance with the objectives of the CBT being developed; (3) describing the students' character constructs, and (4) conducting expert validation, the readability test for the initial model (in the first year it reaches TKT 4).

This research involved 9 experts in the first year consisting of three measurement experts, four math education experts, and two media/computer experts. related to the Minimum Competency Assessment. Furthermore, for the legibility test in the first year using 33 students and an expanded tryout with 141 students, the results of the expert validation were analyzed using CVI and the Aiken formula. Analysis of the character survey instrument and analysis of AKM Numerical test items using classical test theory. The results of this study were successful 1). capture teacher needs which serve as the basis for designing AKM numeration instruments and character surveys; 2) produce AKM instrument grids. Numeration of the testlet model and character survey instrument grids based on the results of the AKM component analysis set by the government; 3) The construct of the student character to be measured has been obtained which is embodied in the form of the Numeral AKM instrument and the character survey instrument. The results of this research have been discussed and published at the ISIMMED-ISSE 2022 international seminar on 11-12 November 2022 and are recorded in IPR in the form of copyrights with granted status (outcomes must be fulfilled).

Kata Kunci: *CBT, AKM testlet model, character survey, numeracy*