

M. Ulul Albab. 2019. *Analisis Soal Uji Kompetensi Siswa pada Ujian Tengah Semester Genap Kelas VIII SMP dengan Penerapan Program ITEMAN*. Skripsi, Program Studi pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Laila Khamsatul Muharrami dan Pembimbing 2: Irsad Rosidi.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kualitas butir soal (validitas, reliabilitas, tingkat kesukaran, daya pembeda, dan efektivitas pengecoh atau distraktor) melalui program ITEMAN versi 3.00. Penelitian ini menggunakan analisis deskriptif kuantitatif dengan desain penelitian *mix design* yang disebut *Sequential Explanatory Design*. Populasi penelitian ini adalah siswa kelas VIII di SMP Negeri 2 Manyar, dengan sampel sebanyak 127 siswa. Teknik yang digunakan dalam pengumpulan data meliputi observasi, dokumentasi, wawancara, dan tes formatif. Hasil penelitian menunjukkan bahwa: (1) Pada aspek validitas merupakan soal yang baik, karena terdapat 15 (50%) soal ber kriteria cukup. (2) Pada aspek reliabilitas merupakan soal yang baik, karena diperoleh nilai yang sangat tinggi, yaitu 0,815. (3) Pada tingkat kesukaran soal tergolong baik, karena terdapat 14 (46,67%) soal mudah dan 7 (23,33%) soal sedang. (4) Pada daya pembeda merupakan soal yang baik, karena terdapat 16 (53,34%) soal memiliki daya pembeda baik, dan 10 (33,33%) soal memiliki daya pembeda cukup. (5) Pada distraktor, opsi soal berfungsi baik dengan rata-rata dipilih lebih dari 5% jumlah siswa.

Kata Kunci: ITEMAN Versi 3.00, Kualitas Butir Soal

M. Ulul Albab. 2019. *Analysis of The Student Competency Test on The Mid-Semester Test in 8th Grade SMP with ITEMAN Program. Thesis, Natural Science Education, Education Faculty, University of Trunojoyo Madura. 1st Advisor: Laila Khamsatul Muharrami and 2nd Advisor: Irsad Rosidi.*

ABSTRACT

This research was aimed to know item quality (validity, reliability, level of difficulty, power of different, and mountebank effectiveness or distractor) through the ITEMAN program version 3.00. This research used quantitative descriptive analysis with mix design that was called by Sequential Explanatory Design. The population of this research were eighth grade students at SMPN 2 Manyar, with a sample of 127 students. The data were obtained through observation, documentation, interview, and formative test. The results of this research showed that: (1) based on validity aspect, the test was good, because there were 15 (50%) moderate items. (2) based on reliability aspect, the test was good, because is obtained a very high value, which was 0,815. (3) based on level of difficulty, the test was good, because there were 14 (46,67%) easy items and 7 (23,33%) medium items. (4) based on discriminatory power, the test was good, because there were 16 (53,34%) good items, and 10 (33,33%) moderate items. (5) based on distractor, this option of test was good function with the selected average more than 5% of students.

Keywords: *Item Test, ITEMAN version 3.00*