

ABSTRACT

Dini Khoirunnisa Sofyan, 4183321024 (2022). Development of HOTS-Based Open Reasoning Multiple Choice Test Instruments to Measure Students' Critical Thinking Skills

This study aims to develop a HOTS-based test instrument in measuring students' critical thinking skills on business and energy materials. This research is a development research or Research and Development using the ADDIE model, namely Analysis, Design, Development, Implementation and evaluation. The subjects in this study were class X students of SMAS Gema Buwana. In the validation test of the content by the validator, the question is classified as a valid instrument. While the validity of the item obtained 9 questions are said to be valid or suitable for use. The test on the question is also classified as reliable with a very high reliability interpretation with a result of 0.879. For the difficulty level test, 1 question with easy criteria was obtained, 2 questions with difficult criteria and 6 questions with medium criteria. Meanwhile, the difference between the questions was obtained by 3 questions with corrected criteria and 6 questions with accepted criteria. The effectiveness of the deceiver obtained the results of 5 answer choices with rejected criteria and 31 answer choices with accepted criteria. Based on the results of the development carried out, it can be concluded that this HOTS-based open multiple choice reasoning test instrument is said to be feasible for measuring students' critical thinking skills.

Keywords: Development of test instruments, open multiple choice reasoning, critical thinking skills.



ABSTRAK

Dini Khoirunnisa Sofyan, NIM 4183321024 (2022). Pengembangan Instrumen Tes *Multiple Choice Reasoning* Terbuka Berbasis HOTS Untuk Mengukur Keterampilan Berpikir Kritis Siswa.

Penelitian ini bertujuan mengembangkan instrumen tes berbasis HOTS untuk mengukur keterampilan berpikir kritis siswa pada materi usaha dan energi. Penelitian ini merupakan penelitian pengembangan atau *Research and Development* dengan menggunakan model ADDIE yakni *Analysis, Design, Development, Implementation* dan *evaluation*. Subjek pada penelitian ini adalah siswa kelas X SMAS Gema Buwana. Pada pengujian validasi isi oleh validator soal tergolong kedalam instrumen valid. Sedangkan validitas butir didapat 9 soal dikatakan valid atau layak digunakan. Tes pada soal juga tergolong dalam kategori reliabel dengan interpretasi reliabilitas sangat tinggi dengan hasil 0,879. Untuk uji tingkat kesukaran soal diperoleh 1 soal dengan kriteria mudah, 2 soal dengan kriteria sukar dan 6 soal dengan kriteria sedang. Sedangkan daya beda soal diperoleh 3 soal dengan kriteria diperbaiki dan 6 soal dengan kriteria diterima. Efektifitas pengecoh memperoleh hasil 5 pilihan jawaban dengan kriteria ditolak dan 31 pilihan jawaban dengan kriteria diterima. Berdasarkan hasil pengembangan yang dilakukan dapat disimpulkan bahwa instrumen tes *multiple choice reasoning* terbuka berbasis HOTS ini dikatakan layak untuk mengukur keterampilan berpikir kritis siswa.

Kata Kunci: Pengembangan instrumen tes, *multiple choice reasoning* terbuka, keterampilan berpikir kritis.

