

ABSTRAK

Novita Patricia, NIM 4163321021 (2021). Pengembangan Instrumen Tes Berbasis *Higher Order Thinking (HOT)* Pada Materi Usaha dan Energi di SMA Negeri 1 Kutalimbaru

Penelitian ini bertujuan untuk mengembangkan instrumen tes berbasis *Higher Order Thinking (HOT)* pada materi usaha dan energi yang memenuhi pengujian kelayakan instrument tes yang baik dan respon siswa. Penelitian dilaksanakan dengan model penelitian research and development (R&D) tipe 4D (define, design, development, dan dissemination) di SMA Negeri 1 Kutalimbaru dengan subjek siswa kelas X program MIA. Tahapan penelitian adalah pendefinisian, perancangan, dan tahapan pengembangan dengan melakukan uji coba produk pada kelompok kecil dan kelompok besar serta penyebaran instrumen yang dilakukan dalam ruang lingkup SMA Negeri 1 Kutalimbaru. Hasil penelitian menunjukkan bahwa instrumen tes berbasis HOT materi usaha dan energi yang dikembangkan oleh peneliti sudah memenuhi kriteria layak digunakan sebagai instrumen tes hasil belajar. Kelayakan instrumen tes ini didasarkan atas kriteria validitas, reliabilitas, indeks kesukaran dan daya beda baik untuk siswa pada uji coba kelompok kecil maupun siswa pada siswa uji coba kelompok besar. Hasil angket respon siswa terhadap soal yang dikembangkan sebesar 93,67% termasuk dalam kategori tinggi. Berdasarkan hasil penelitian disimpulkan bahwa instrument tes berbasis HOT yang dikembangkan telah memenuhi kriteria kelayakan instrument sehingga dapat digunakan sebagai alat ukur pengetahuan kognitif siswa.

Kata kunci: instrumen tes berbasis HOT, usaha dan energi.



ABSTRACT

Novita Patricia, NIM 4163321021 (2021). Development of Higher Order Thinking (HOT) Based Test Instruments on Work and Energy Materis at SMA Negeri 1 Kutalimbaru

This study aims to develop a test instrument based on Higher Order Thinking (HOT) on the material of effort and energy that meets the feasibility test of a good test instrument and student responses. The research was carried out using a research and development (R&D) type 4D (define, design, development, and dissemination) research model at SMA Negeri 1 Kutalimbaru with the subject of class X students in the MIA program. The research stages are the definition, design, and development stages by conducting product trials in small and large groups as well as distributing instruments carried out within the scope of SMA Negeri 1 Kutalimbaru. The results showed that the HOT-based test instrument for business and energy materials developed by the researcher had met the criteria for being used as a learning outcome test instrument. The feasibility of this test instrument is based on the criteria of validity, reliability, difficulty index and differentiating power for both students in small group trials and students in large group trials. The results of the student response questionnaire to the questions developed were 93.67% included in the high category. Based on the results of the study, it was concluded that the HOT-based test instrument developed had met the eligibility criteria for the instrument so that it could be used as a measuring tool for students' cognitive knowledge.

Keywords: HOT-based test instrument, work and energy.

