ABSTRAK

Muhammad Andi Tiadarma (8186176004). ***Pengembangan Instrumen Tes Keterampilan Berpikir Kreatif pada Materi Kinematika untuk Siswa SMA/MA Di Medan.*** Tesis. Medan: Program Studi Pendidikan Fisika Pascasarjana Universitas Negeri Medan, 2022.

Tujuan dari penelitian ini adalah untuk mengetahui karakteristik tes keterampilan berpikir kreatif pada materi kinematika. Partisipan penelitian adalah siswa kelas X SMA Al Azhar Medan dan siswa kelas X MAN 1 Medan yang telah menerima materi kinematika. Jenis penelitian yang digunakan adalah penelitian dan pengembangan (R&D). Penelitian yang dilakukan mengacu pada pengembangan produk dalam bentuk instrumen tes keterampilan berpikir kreatif. Sebelum instrumen tes keterampilan berpikir kreatif diuji coba pada siswa, tes divalidasi terlebih dahulu. Subjek pengembangan produk terdiri dari ahli konten atau materi, ahli instrumen, dan ahli bahasa. Teknik analisis data yang digunakan dalam penelitian ini adalah teknik analisis deskriptif. Dari hasil uji coba kelompok kecil dan kelompok besar didapatkan 22 instrumen tes pada materi kinematika yang dinyatakan valid. Kesimpulan yang diperoleh setelah penelitian adalah proses pengembangan instrumen tes keterampilan berpikir kreatif pada materi kinematika di SMA/MA melalui beberapa tahap, yaitu analisis kebutuhan dan karakteristik dari partisipan penelitian, merancang kisi-kisi dan instrument tes, validasi produk, dan uji coba produk. Hasil analisis kuantitatif instrumen tes keterampilan berpikir kreatif yang dikembangkan dinyatakan valid dengan interpretasi tinggi yakni instrumen tes sudah mampu mengukur keterampilan berpikir kreatif dari partisipan penelitian, reliabel dengan interpretasi sangat tinggi yakni instrument tes sudah memiliki kestabilan yang baik dalam hasil penilaian dan tingkat kesukaran serta daya pembeda tergolong baik, serta keterampilan berpikir kreatif partisipan penelitian tergolong cukup.

Kata kunci : *Pengembangan, Tes Keterampilan Berpikir Kreatif, Kinematika, Valid*

ABSTRACT

Muhammad Andi Tiadarma (8186176004). ***Development of Creative Thinking Skills Test Instruments on Kinematics Materials For SMA/MA Students In Medan.*** Thesis. Medan: Physics Education Study Program Postgraduate State University of Medan, 2022.

The purpose of this study was to determine the characteristics of creative thinking skills test on kinematics material. Research participants were students of class X SMA Al Azhar Medan and class X students of MAN 1 Medan who had received kinematics material. The type of research used is research and development (R&D). The research carried out refers to product development in the form of a creative thinking skill test instrument. Before the test instrument for creative thinking skills was tested on students, the test was validated first. The product development subjects consist of content or material experts, instrument experts, and linguists. The data analysis technique used in this research is descriptive analysis technique. From the results of small group and large group trials, 22 test instruments on kinematics material were declared valid. The conclusion obtained after the research is the process of developing creative thinking skills test instruments on kinematics material in SMA/MA through several stages, namely analyzing the needs and characteristics of research participants, designing grids and test instruments, product validation, and product testing. The results of the quantitative analysis of the creative thinking skills test instrument developed were declared valid with high interpretation, namely the test instrument was able to measure the creative thinking skills of research participants, reliable with very high interpretation, namely the test instrument had good stability in the assessment results and the level of difficulty and distinguishing power. classified as good, and the research participants' creative thinking skills were quite adequate.

Keywords : *Development, Creative Thinking Skill Test, Kinematics, Valid*