

ABSTRAK

Dwitya Ayuhan, NIM 4201121011 (2024). Pengembangan Instrumen Penilaian Kinerja Praktikum Fisika SMA Pada Materi Suhu dan Kalor

Penelitian ini merupakan penelitian pengembangan yang bertujuan (1) Mengembangkan instrumen penilaian kinerja praktikum pada mata pelajaran Fisika Suhu dan Kalor di SMA Negeri 3 Kisaran, (2) Mengetahui tingkat kevalidan, reliabilitas dan kepraktisan penggunaan instrumen penilaian kinerja yang dikembangkan. Penelitian ini dilaksanakan di SMA Negeri 3 Kisaran dengan subjek penelitian yaitu guru dan siswa kelas XI Peminatan Fisika. Pengambilan sampel menggunakan teknik *simple random sampling*. Penelitian ini di desain dengan model penelitian *research and development* (R&D), menggunakan model pengembangan instrumen ADDIE yang terdiri dari 5 tahap pengembangan. Analisisa (*Analysis*), Perancangan (*Design*), Pengembangan (*Development*), Implementasi (*Implementasi*), dan Evaluasi (*Evaluation*). Hasil uji validitas instrumen adalah 0.684, instrumen dinyatakan valid dengan nilai $> 0,60$ yang sesuai dengan standar *Cohen's Kappa*. Hasil reliabilitas instrumen menggunakan Alpha Cronbach memperoleh nilai reliabilitas 0.75, kedua instrumen dinyatakan reliabel karena berada pada rentang $0.60 \leq 0.80$. Hasil angket respon guru terhadap kepraktisaan penggunaan instrumen penilaian kinerja sebesar 95.83% (Guru Fisika 1) dan 89.58% (Guru Fisika 2).

Kata Kunci : Pengembangan, Penilaian Kinerja, Praktikum fisika, Suhu dan Kalor

ABSTRACT

Dwitya Ayuhan, NIM 4201121011 (2024). Development of High School Physics Practical Performance Assessment Instruments on Temperature and Heat Material

This research is a development research that aims to (1) Develop a practicum performance assessment instrument in the subject of Physics Temperature and Heat at SMA Negeri 3 Kisaran, (2) Know the level of validity, reliability and practicality of using the developed performance assessment instrument. This research was conducted at SMA Negeri 3 Kisaran with the research subjects being teachers and students of class XI Physics specialization. Sampling using simple random sampling technique. This study was designed with a research and development (R&D) research model, using the ADDIE instrument development model which consists of 5 stages of development. Analysis, Design, Development, Implementation, and Evaluation. The instrument validity test result was 0.684, the instrument was declared valid with a value > 0.60 which is in accordance with Cohen's Kappa standards. The results of the reliability of the instruments using Cronbach's Alpha obtained a reliability value of 0.75, both instruments were declared reliable because they were in the range $0.60 \leq 0.80$. The results of the teacher response questionnaire on the practicality of using the performance assessment instrument were 95.83% (Physics Teacher 1) and 89.58% (Physics Teacher 2).

Keywords: Development, Performance Assessment, Physics Practicum, Temperature And Heat