

ABSTRACT

Novita Rahmadani, NIM 4203121040 (2024). Pengembangan Instrumen Penilaian Kinerja Praktikum pada Materi Getaran Harmonik di MAPN 4 Medan

Penelitian ini bertujuan untuk mengembangkan instrument penilaian kinerja praktikum pada materi getaran harmonik dan menganalisis kelayakan instrument penilaian kinerja praktikum ditinjau dari tingkat kelayakan, kepraktisan dan keefektifan instrumen. Metode penelitian yang digunakan adalah *Research and Development* (R&D) dengan menerapkan model 4-D (*define, design, develop, dan disseminate*). Subjek penelitian ini meliputi dua dosen fisika sebagai validator dan dua guru fisika, serta siswa kelas X-8 dan X-9 MAPN 4 Medan. Berdasarkan hasil penelitian menunjukkan tingkat kelayakan yang diperoleh validitas ahli sebesar 1,00 dengan kategori sangat memuaskan (*excellent*), Tingkat kepraktisan sebesar 84,74% dalam kategori sangat baik. Tingkat keefektifan instrumen diperoleh berdasarkan hasil analisis data independent uji sample t test skor akhir kemampuan siswa dan soal test. Berdasarkan hasil tersebut, tingkat keefektifan instrument penilaian kinerja praktikum pada materi getaran harmonik ini dinyatakan efektif.

Kata Kunci : *Instrumen, Penilaian Kinerja Praktikum, Getaran Harmonik*

ABSTRACT

Novita Rahmadani, NIM 4203121040 (2024). Development of Practical Performance Assessment Instruments on Harmonic Vibration Material at MAPN 4 Medan

This research aims to develop a practicum performance assessment instrument on harmonic vibration material and analyze the feasibility of the practicum performance assessment instrument in terms of the level of feasibility, practicality and effectiveness of the instrument. The research method used is Research and Development (R&D) by applying the 4-D model (define, design, develop, and disseminate). The subjects of this study included two physics lecturers as validators and two physics teachers, as well as students of grades X-8 and X-9 MAPN 4 Medan. Based on the results of the study, the level of feasibility obtained by expert validity was 1.00 with a very satisfactory category (excellent), the level of practicality was 84.74% in the very good category. The level of effectiveness of the instrument was obtained based on the results of the analysis of independent sample t-test data, the final score of student ability and test questions. Based on these results, the level of effectiveness of the instrument for assessing practical performance on harmonic vibration material was declared effective.

Keywords: Instruments, Practical Performance Assessment, Harmonic Vibrations