ABSTRAK

Rianti Sri Wahyuni Lumban Gaol, NIM 4213121074 (2026), Pengembangan Instrumen Penilaian Kinerja *(Performance)* Dalam Praktikum Siswa Pada Materi Pengukuran Di SMA Negeri 18 Medan.

Penelitian ini bertujuan untuk mengembangkan instrumen penilaian kinerja dalam kegiatan praktikum siswa pada materi pengukuran dan menganalisis kelayakan instrumen penilaian kinerja praktikum ditinjau dari tingkat kelayakan seperti kevalidan, reliabilitas dan kepraktisan instrumen. Metode penelitian yang digunakan adalah *Research and Development* (R&D) dengan menerapkan model 4-D, yang terdiri dari empat tahapan yaitu *define, design, develop*, dan *disseminate.* Instrumen penelitian meliputi, lembar angket wawancara, lembar validasi, angket respon guru, dan angket respon siswa. Lembar validasi diberikan kepada tiga dosen fisika sebagai validator untuk menilai kelayakan instrumen penilaian, sedangkan angket respon diberikan kepada guru fisika dan 27 orang siswa kelas X-1 serta subjek dalam penelitian ini adalah 36 orang siswa kelas X-1 di SMA Negeri 18 Medan. Berdasarkan hasil penelitian menunjukkan tingkat kelayakan yang dari validitas ahli yaitu sebesar 0,79 dengan kategori layak, tingkat reliabilitasnya sekitar 0,60 yang termasuk dalam kategori cukup tinggi, tingkat kepraktisannya berdasarkan hasil angket respon guru sebesar 78 dan berdasarkan hasil angket respon siswa 86,57 yang termasuk dalam kategori praktis. Berdasarkan hasil tersebut instrumen penilaian kinerja (*performance*) dalam kegiatan pratikum siswa pada materi pengukuran di SMA ini dinyatakan valid, reliabel dan praktis.

Kata kunci : ***instrumen, penilaian kinerja, pengukuran***

ABSTRACT

Rianti Sri Wahyuni Lumban Gaol, NIM 4213121074 (2026), Development of Performance Assessment Instruments in Student Practicum on Measurement Material at State Senior High School 18 Medan.

This study aims to develop a performance assessment instrument for student laboratory activities in the field of measurement and to analyze the validity of the laboratory performance assessment instrument in terms of its validity, reliability, and practicality. The research method used is Research and Development (R&D) by applying the 4-D model, which consists of four stages, namely define, design, develop, and disseminate. The research instruments include an interview questionnaire, a validation sheet, a teacher response questionnaire, and a student response questionnaire. The validation sheets were distributed to three physics lecturers as validators to assess the suitability of the assessment instruments, while the response questionnaires were distributed to physics teachers and 27 students in class X-1; the subjects of this study were 36 students in class X-1 at State High School 18 in Medan. The research results indicate a level of validity from expert validation of 0.79, classified as acceptable; a reliability level of approximately 0.60, which falls into the fairly high category; and a practicality level of 78 based on the teacher response questionnaire and 86.57 based on the student response questionnaire, both of which fall into the practical category. Based on these results, the performance assessment instrument for student laboratory activities in measurement courses at this high school is deemed valid, reliable, and practical.

Keyword: ***Instruments, Performance Assessment, Measurement***

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