

ABSTRAK

Inovayani Saragih. Pengembangan Instrumen Asesmen Kinerja Untuk Mengukur Kompetensi Psikomotorik Siswa SMA Kelas XI pada Praktikum Kimia.

Penelitian ini bertujuan untuk mengetahui kebutuhan instrumen asesmen kinerja yang digunakan untuk mengukur kemampuan psikomotorik siswa kelas XI SMA pada praktikum titrasi asam-basa, taraf kelayakan instrumen asesmen kinerja berdasarkan validitas internal, validitas eksternal serta reliabilitas, tingkat kompetensi psikomotorik siswa yang diukur menggunakan instrumen asesmen kinerja, dan respon siswa terhadap instrumen asesmen kinerja yang dikembangkan. Metode yang digunakan dalam penelitian ini adalah penelitian pengembangan model ADDIE yang terdiri dari tahap *analyze*, *design*, *development*, *implementation*, dan *evaluation*. Berdasarkan analisis kebutuhan diperoleh bahwa instrumen asesmen kinerja yang digunakan di sekolah belum mampu mengukur kompetensi psikomotorik siswa pada praktikum titrasi asam-basa secara akurat, sehingga dibutuhkan pengembangan instrumen asesmen kinerja untuk mengukur kompetensi psikomotorik siswa secara akurat. Hasil uji validasi internal oleh ahli menunjukkan instrumen telah valid dengan nilai rerata lebih besar dari 3,20. Hasil analisis dengan menggunakan permodelan Rasch banyak sisi menunjukkan instrumen memiliki validitas eksternal yang sesuai dan reliabilitas yang sangat baik yakni 0,92. Berdasarkan analisis data hasil implementasi diperoleh bahwa instrumen memiliki objektivitas yang tinggi, ditunjukkan dari tidak ada perbedaan yang signifikan antara penilaian oleh *rater* 1 dan *rater* 2. Berdasarkan analisis respon pengguna instrumen juga memiliki nilai praktikalitas yang baik karena nilai praktikalitas instrumen lebih besar dari 70%. Hasil analisis Tingkat kompetensi psikomotorik menunjukkan seluruh siswa tuntas pada aspek psikomotorik bergerak, akan tetapi pada aspek memanipulasi dan mengkomunikasikan masih ada siswa yang belum tuntas.

Kata Kunci: Instrumen, Asesmen, Kompetensi, Psikomotorik, Praktikum.

ABSTRACT

Inovayani Saragih. Development of a Performance Assessment Instrument to Measure the Psychomotor Competence of Class XI High School Students in Chemistry Practicum.

This research aims to determine the need for a performance assessment instrument used to measure the psychomotor abilities of grade XI high school students in acid-base titration practicums, the level of feasibility of performance assessment instruments based on internal validity, external validity and reliability, the level of students' psychomotor competence measured using performance assessment instruments, and students' responses to the developed performance assessment instruments. The method used in this study is the ADDIE model development research consisting of the stages of analyze, design, development, implementation, and evaluation. Based on the needs analysis, it was obtained that the performance assessment instruments used in schools have not been able to measure students' psychomotor competence in acid-base titration practicums accurately, so it is necessary to develop performance assessment instruments to measure students' psychomotor competence accurately. The results of the internal validation test by experts showed that the instrument was valid with an average value greater than 3.20. The results of the analysis using the multi-sided Rasch modeling showed that the instrument had appropriate external validity and very good reliability, namely 0.92. Based on the analysis of the implementation data, it was obtained that the instrument had high objectivity, as indicated by no significant difference between the assessments by rater 1 and rater 2. Based on the analysis of user responses, the instrument also had a good practicality value because the practicality value of the instrument was greater than 70%. The results of the analysis of the psychomotor competency level showed that all students had completed the psychomotor aspect of moving, but in the aspects of manipulating and communicating there were still students who had not completed it.

Keywords: Instrument, Assessment, Competence, Psychomotor, Practicum.