

ABSTRAK

Herry Purwanto Panjaitan. Pengembangan Penuntun Praktikum Kimia Inovatif Berbasis Multimedia SMA Kelas XI Semester II Terintegrasi Pendidikan Karakter Sesuai Kurikulum 2013.

Penelitian ini bertujuan mengetahui kesesuaian, kelayakan, dan integrasi karakter dan psikomotorik pada buku penuntun praktikum kimia SMA kelas XI yang digunakan di sekolah dengan kriteria BSNP. Penelitian ini adalah penelitian pengembangan (*research and development*) yang dimodifikasi dari model Borg & Gall. Pada penelitian ini ada 5 tahapan yang dilakukan; Tahap analisis kebutuhan, tahap pengembangan, tahap validasi, tahap revisi dan Uji coba produk. Uji coba penelitian ini dilakukan di SMA Swasta Satrya Budi Perdagangan, Kabupaten Simalungun. Sampel pada penelitian ini diambil dengan teknik *cluster random sampling*. Teknik pengumpulan data menggunakan angket BSNP, lembar instrumen tes, lembar observasi penilaian karakter, dan lembar observasi penilaian psikomotorik. Hasil penelitian; (1) Penuntun praktikum kimia kelas XI SMA yang beredar penerbit A, B, dan C termasuk dalam kategori valid dan layak digunakan dengan rata-rata 4,61 (2) Penuntun praktikum kimia inovatif berbasis multimedia SMA kelas XI Semester II terintegrasi pendidikan karakter sesuai kurikulum 2013 termasuk dalam kategori valid dan layak digunakan dengan rata-rata (3) Penuntun praktikum yang dikembangkan dapat menumbuhkembangkan nilai-nilai pendidikan karakter peserta didik, hal ini dapat dilihat dari terjadinya peningkatan nilai sikap peserta didik sebelum dan sesudah menggunakan penuntun praktikum kimia inovatif berbasis multimedia SMA kelas XI Semester II terintegrasi pendidikan karakter sesuai kurikulum 2013 (4) Terdapat perbedaan hasil belajar peserta didik yang menggunakan penuntun praktikum kimia inovatif berbasis multimedia SMA kelas XI Semester II terintegrasi pendidikan karakter sesuai kurikulum 2013 dengan peserta didik yang menggunakan penuntun praktikum kimia pegangan peserta didik dengan sig. $< \alpha$ (0,000 < 0,05) (5) Terdapat perbedaan nilai sikap (karakter) dan psikomotorik (keterampilan) peserta didik yang menggunakan penuntun praktikum kimia inovatif berbasis multimedia SMA kelas XI Semester II terintegrasi pendidikan karakter sesuai kurikulum 2013 dengan peserta didik yang menggunakan penuntun praktikum kimia pegangan peserta didik.

Kata Kunci : Pengembangan Penuntun Praktikum, Praktikum Kimia Inovatif, Pendidikan Karakter, Kurikulum 2013, dan Model Borg & Gall



ABSTRACT

Herry Purwanto Panjaitan. development of Innovative Chemistry Practicum Guides Based on Multimedia for Class XI Semester II Integrated Character Education in Accordance with the 2013 Curriculum.

This study aims to determine the suitability, feasibility, and integration of character and psychomotor in class XI high school chemistry practicum guidebooks used in schools with BSNP criteria. This study is a research and development model modified from the Borg & Gall model. In this study, there are 5 stages carried out; The needs analysis stage, the development stage, the validation stage, the revision stage and the product trial. This research trial was conducted at the Satrya Budi Perdagangan Private High School, Simalungun Regency. The sample in this study was taken by using cluster random sampling technique. Data collection techniques used BSNP questionnaires, test instrument sheets, character assessment observation sheets, and psychomotor assessment observation sheets. Research result; (1) Class XI high school chemistry lab guides circulating publishers A, B, and C are included in the valid and feasible category for use with an average of 4.61 (2) The innovative chemistry lab guide based on multimedia for class XI Semester II is integrated with character education according to The 2013 curriculum is included in the valid and feasible category for use on average (3) The practicum guide developed can develop the character education values of students, this can be seen from the increase in the attitude value of students before and after using an innovative chemistry-based practical guide. multimedia SMA class XI Semester II integrated character education according to the 2013 curriculum. (4) There are differences in the learning outcomes of students who use an innovative chemistry practicum guide based on multimedia high school grade XI Semester II integrated character education according to the 2013 curriculum with students who use a chemistry lab guide for students with $\text{sig.} < \alpha$ ($0.000 < 0.05$) (5) There are differences in the attitude (character) and psychomotor (skills) values of students who use innovative chemistry lab guides based on multimedia high school grade XI Semester II integrated character education according to the 2013 curriculum with students using chemistry lab guide guide for students.

Keywords : Development of Practicum Guides, Innovative Chemistry Practicum, Character Education, 2013 Curriculum, and Borg & Gall Models

