

## ABSTRAK

**DEVI ANRIANI SIREGAR.** Pengembangan Bahan Ajar Kimia SMA Inovatif dan Terintegrasi Karakter Pada Pokok Bahasan Struktur Atom dan Tabel Periodik Berdasarkan Kurikulum 2013. Program Pascasarjana Universitas Negeri Medan, 2015.

Penelitian ini bertujuan untuk memperoleh bahan ajar inovatif terintegrasi karakter pada pokok bahasan struktur atom dan tabel periodik berdasarkan kurikulum 2013. Bentuk penelitian yang dilakukan adalah penelitian deskriptif. Jenis penelitian merupakan penelitian dan pengembangan (*research and development*). Subjek penelitian adalah bahan ajar pokok bahasan struktur atom dan tabel periodik. Sampel yang digunakan adalah bahan ajar yang telah dikembangkan dan 40 siswa SMA/MA kelas X di kota Medan. Bahan ajar penerbit A dan B pokok bahasan struktur atom dan tabel periodik dianalisa terlebih dahulu menggunakan format kurikulum 2013. Dari hasil analisa diperoleh rerata A (2,34) sebagian perlu direvisi, B (2,35) sebagian perlu direvisi. Berdasarkan hasil analisa tersebut dilakukan pengembangan bahan ajar. Penilaian pada bahan ajar yang telah dikembangkan dilakukan dengan 2 cara yaitu menggunakan format kurikulum 2013 dan BSNP (Badan Standar Nasional Pendidikan). Hasil analisa berdasarkan kurikulum 2013 diperoleh nilai rerata 3,24 (cukup valid) artinya tidak perlu revisi. Hasil analisa berdasarkan BSNP diperoleh, aspek kelayakan isi 3,25 (cukup valid) artinya tidak perlu revisi, kelayakan bahasa 3,44 (valid) artinya tidak perlu revisi, kelayakan penyajian 3,48 (valid) artinya tidak perlu revisi. Isi bahan ajar yang telah dikembangkan kemudian diuji kepada siswa. Pengujian terhadap siswa dilakukan dengan menggunakan 2 kelas, yaitu kelas eksperimen dan kelas kontrol. Terhadap siswa kelas eksperimen diberi bahan ajar yang telah dikembangkan, sedangkan kelas kontrol menggunakan bahan ajar yang dibawanya. Setelah masing-masing siswa membaca bahan ajar, berikutnya dilakukan tes. Berdasarkan hasil tes terlihat bahwa nilai rerata siswa kelas eksperimen 88,50 lebih tinggi dibandingkan nilai rerata siswa kelas kontrol yaitu 80,75.

Kata Kunci: *Penelitian dan Pengembangan, Struktur Atom dan Tabel Periodik, Pendidikan karakter, Kurikulum 2013.*

## ABSTRACT

**DEVI ANRIANI SIREGAR.** Development of Chemical Teaching Materials and Integrated SMA Innovative Character on Topic Atomic Structure and the Periodic Table Based Curriculum 2013. Postgraduate School of the State University of Medan, 2015.

This study aimed to obtain the integrated character of innovative teaching materials on the subject of the structure of atoms and the periodic table based curriculum 2013. Forms of research is a descriptive study. This type of research is a research and development (research and development). Subjects are subject teaching materials atomic structure and the periodic table. The samples are teaching materials that have been developed and 40 high school students / MA class X in Medan. Publisher of teaching materials A and B subjects atomic structure and the periodic table analyzed first using the curriculum format of 2013. The result of the analysis, a mean of A (2.34) in part needs to be revised, B (2.35) most in need of revision. Based on the analysis performed development of teaching materials. Assessment on teaching materials that have been developed done in 2 ways: using the curriculum in 2013 and BSNP format (National Education Standards Agency). The results of the analysis based on the curriculum in 2013 obtained a mean value of 3.24 (quite valid) means do not need revision. The results of the analysis based BSNP obtained, feasibility aspects of the content of 3.25 (quite valid) means do not need revision, language feasibility 3.44 (valid) means do not need to be revised, the feasibility of presenting 3.48 (valid) means do not need to be revised. The contents of teaching materials that have been developed are then tested to students. Testing of students is done by using the 2 classes, experimental and control classes. Against the experimental class students were given teaching materials that have been developed, while the control class using teaching materials that it carries. After each student read teaching materials, subsequent tests. Based on the test results shows that the average value of 88.50 experimental class students is higher than average value control class is 80.75.

Keywords: Research and Development, Atomic Structure and the Periodic Table, character education, Curriculum 2013.