

ABSTRACT

Yeni Purwati: **The Development of Innovative Chemistry Teaching Material Electrolyte and Non Electrolyte Solution Integrated Character Education**. Tesis. Medan: Program Studi Pendidikan Kimia Pascasarjana Universitas Negeri Medan, 2015

The aim of this research is (1) to obtain innovative chemistry teaching material which is developed for senior high school grade X in the second semester suitable and in accordance with K-13 and (2) to determine the effect of using innovative chemistry teaching material toward learning outcome of students of senior high school grade X in the second semester. The research was done on September 2014 up to February 2015. The population of this research was all of senior high school in Medan. The sample of this research were selected by using purposive sampling: senior high school Dharma Pancasila, senior high school Al-Washliyah 3 and senior high school UISU Medan respectively 2 classes: experimental class and control class. Techniques of data analysis by using independent sample t-test with SPSS 20 for windows in the significant level $\alpha = 0,05$. The result of research shows (1) innovative chemistry teaching material which is developed for senior high school grade X in the second semester was eligible and in accordance with K-13, (2) based on the result analysis of each school showed that the effect of using innovative chemistry teaching material for senior high school grade X in the second semester based on K-13 give better student's learning outcomes in chemistry than student's learning outcomes who are taught without using innovative chemistry teaching material.

Keywords: Chemistry, teaching material, student's learning outcomes, senior high school

ABSTRAK

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Tujuan dari penelitian ini adalah (1) untuk mendapatkan bahan ajar kimia inovatif yang dikembangkan untuk SMA kelas X semester II yang layak dan sesuai dengan K-13 dan (2) untuk mengetahui pengaruh penggunaan bahan ajar kimia inovatif terhadap hasil siswa SMA kelas X semester kedua. Penelitian ini dilakukan pada bulan September 2014 sampai dengan bulan Februari 2015. Populasi penelitian ini adalah semua SMA di Medan. Sampel penelitian dipilih dengan menggunakan *purposive sampling*: SMA Dharma Pancasila, SMA Al-Washliyah 3 dan SMA UISU Medan masing-masing 2 kelas: kelas eksperimen dan kelas kontrol. Teknik analisis data dengan menggunakan *independent sample t-test* dengan *SPSS 20 for windows* dengan taraf signifikan $\alpha = 0,05$. Hasil penelitian menunjukkan (1) bahan ajar kimia inovatif yang dikembangkan untuk SMA kelas X semester kedua layak dan sesuai dengan K-13, (2) berdasarkan hasil analisis masing-masing sekolah menunjukkan bahwa pengaruh penggunaan bahan ajar kimia inovatif untuk SMA kelas X semester II berdasarkan K-13 memberikan hasil belajar yang lebih baik pada pelajaran kimia daripada hasil belajar siswa siswa yang diajar tanpa menggunakan bahan ajar kimia inovatif.

Kata Kunci: Kimia, bahan ajar, hasil belajar siswa, SMA

