

ABSTRAK

Shofia Rija Napitupulu, 8126142018. Pengembangan Buku Ajar Kimia SMA/MA Kelas XI Semester II Berdasarkan Kurikulum 2013 Dalam Upaya Meningkatkan Hasil Belajar dan Menumbuhkembangkan Karakter Siswa

Penelitian ini bertujuan mengembangkan buku ajar kimia SMA/MA kelas XI semester II berdasarkan kurikulum 2013 untuk menumbuhkembangkan karakter dan meningkatkan hasil belajar siswa. Penelitian ini terdiri dari dua jenis yaitu penelitian deskriptif kualitatif yang dilakukan untuk menilai kualitas buku ajar yang dihasilkan dengan sampel guru-guru kimia SMA/MA dan penelitian eksperimen dilakukan untuk mengetahui peningkatan hasil belajar siswa di SMAN 1 Lubuk Pakam, SMAN 2 Lubuk Pakam, SMA Nusantara Lubuk Pakam, dan MAN Lubuk Pakam dengan sampel dua kelas yaitu kelas eksperimen menggunakan buku ajar kimia yang dikembangkan dan kelas kontrol menggunakan buku ajar kimia kurikulum KTSP. Data dianalisis menggunakan *SPSS 19* dengan taraf signifikan 0,05. Kualitas buku ajar kimia yang dikembangkan memiliki nilai efektivitas 84,37 sedangkan buku kurikulum KTSP 74,41. Untuk mengetahui perbedaan hasil belajar dan karakter siswa menggunakan model pembelajaran Cooperative Problem Based Learning. Nilai gain hasil belajar siswa kelas eksperimen 0,59 sedangkan kelas kontrol 0,38. Penilaian efektivitas buku dalam menumbuhkembangkan karakter komunikatif pada kelas eksperimen 78,08 sedangkan kelas kontrol 74,26, karakter kreativitas pada kelas eksperimen 78,28 sedangkan kelas kontrol 75,1, dan karakter tanggung jawab pada kelas eksperimen 79,51 sedangkan kelas kontrol 75,30. Efektivitas hasil belajar pada aspek psikomotorik kelas eksperimen 77,03 sedangkan kelas kontrol 72,45. Hasil penelitian menunjukkan bahwa buku ajar kimia yang dikembangkan dalam penelitian ini mampu meningkatkan hasil belajar, menumbuhkembangkan karakter, dan meningkatkan aspek psikomotorik siswa.

Kata Kunci : *Buku Ajar Kimia, Kurikulum 2013, Cooperative Problem Based Learning, Hasil Belajar, Karakter, Psikomotorik.*

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ABSTRACT

Shofia Rija Napitupulu. 8126142018. The development of chemistry textbook in the Eleventh Grade of Second Semester for Senior High School based on 2013 Curriculum in an effort to improve students' Achievement and develop students' character.

This study aims to develop of chemistry textbooks that used in Eleventh Grade of Senior high school of second semester based on 2013 curriculum to improve students' achievement and develop students' character. The samples of this study are SMAN 1 Lubuk Pakam, SMAN 2 Lubuk Pakam, Nusantara Senior High School, MAN Lubuk Pakam. The sample treatment is divided into two, experimental class and control class. The Data collection is done with objective tests, observation sheets during the learning process is done as well as a questionnaire to measure the evolving character at the end of learning. Data were analyzed using SPSS 19 with significance level 0.05. To determine difference in students' achievement and students' character by using Cooperative problem Based Learning. The effectiveness score of textbooks quality was 84.37 and KTSP textbook was 74.41. In addition, this research improves students' achievement and character such as responsibility, creative, communicative and psychomotor. The students' gain achievement of the experiment class was 74.92 and the control class was 67.11. The effectiveness score of communicative character in experiments class was 78,08 and the controll class was 74.26, the creative character in experiment class was 78.28 and the controll class was 75.12, and the responsibility character in experiment class was 79.51 and the controll class was 75.30. The results of this study of indicate that the chemistry textbook was develop in this study can to to improve students' Achievement and develop students' character.

Key word : Chemistry Textbooks, Cooperative, Problem Based Learning, Students' achievement, character, psychomotor.

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