

ABSTRAK

Putri Junita Sari: **Inovasi Bahan Ajar Kimia Lambang Unsur dan Persamaan Reaksi SMK Kelas X Semester I dan Implementasinya**. Tesis.Medan :
Program Studi Pendidikan Kimia. Pascasarjana Universitas Negeri Medan, 2016

Penelitian ini bertujuan untuk mengetahui:(1)Bagaimana tingkat kelayakan bahan ajar kimia SMK kelas X semester I pokok bahasan Lambang unsur dan persamaan reaksi yang ada saat ini telah layak dan sesuai dengan standar isi yang di tetapkan oleh Badan Standar Nasional Pendidikan (BSNP) (2) Apakah bahan ajar kimia yang telah dikembangkan untuk SMK kelas X semester I pada pokok bahasan lambang unsur dan persamaan reaksi telah layak dan sesuai dengan standar isi yang di tetapkan oleh BSNP (3) Apakah hasil belajar siswa yang diajar dengan bahan ajar kimia yang telah dikembangkan lebih baik dibandingkan dengan hasil belajar siswa tanpa bahan ajar kimia yang telah dikembangkan (4) Apakah terdapat hubungan antara hasil belajar yang merupakan tumbuhkembangnya karakter dengan hasil belajar kimia siswa yang diajar dengan bahan ajar kimia yang telah dikembangkan. Jenis penelitian termasuk penelitian dan pengembangan (*research and development*). Populasi penelitin adalah seluruh siswa kelas X SMK. Sampel dalam penelitian ini adalah SMK Negeri 2 Panyabungan sebanyak 2 kelas yang berjumlah 72 orang yang diambil secara *purposive sampling*. Hasil penelitian menunjukkan bahwa: (1) Bahan ajar penerbit A dan B pada pokok bahasan lambang unsur dan persamaan reaksi berdasarkan standar BSNP sudah cukup valid. Namun, ada beberapa yang perlu dilakukan pengembangan. (2) Bahan ajar kimia lambang unsur dan persamaan reaksi yang dikembangkan untuk SMK kelas X semester I telah layak berdasarkan hasil standarisasi kelayakan isi sebesar 3.60, standarisasi kelayakan bahasa sebesar 3.73, standarisasi kelayakan penyajian sebesar 3.70, standarisasi kegrafikan sebesar 3.79 (3) Terdapat perbedaan yang signifikan hasil belajar siswa dengan implementasi bahan ajar kimia yang telah dikembangkan lebih baik dibandingkan dengan hasil belajar siswa tanpa bahan ajar yang telah dikembangkan. ($\text{Sig.}_{1\text{-tailed}} < \alpha (0,008 < 0,05)$) (4) Terdapat hubungan antara karakter yang berkembang dengan hasil belajar kimia siswa SMK Kelas X semester I yang diajar dengan bahan ajar kimia lambang unsur dan persamaan reaksi.

Kata Kunci : *Bahan Ajar Kimia Lambang Unsur dan Persamaan Reaksi, Hasil Belajar, Rasa ingin tahu, Mandiri, Disiplin, Kerja keras, Jujur.*

ABSTRACT

Putri Junita Sari: **Innovative Teaching Material Chemical Reaction Equations Symbol Elements and Vocational Class X Semester I and Implementation.**

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This study aims to determine: (1) How feasibility of teaching materials chemistry SMK class X first semester subject Coat of elements and chemical equations that exist today have been appropriately and in accordance with the content standards set by the National Education Standards Agency (BSNP) (2) Is the teaching materials chemistry that have been developed for SMK class X Semester 1 on the subject of the symbol of the elements and the equation has been decent and in accordance with the content standards set by the National Education standards (3) Is the learning outcomes of students who are taught by teaching materials chemistry which has developed better than the results of student learning without chemicals teaching materials that have been developed (4) Is there a relationship between learning outcomes is growth character of the learning outcomes of students who are taught chemistry with chemistry teaching materials have been developed. This type of research, including research and development (research and development). Population research is conducted are all students of class X SMK. The sample in this study was SMK Negeri 2 Panyabungan as much as two classes total 72 people taken by purposive sampling. The results showed that: (1) teaching materials publisher of A and B on the subject of the symbol of the elements and standards based BSNP equation is quite valid. However, there are some who need to develop. (2) teaching materials chemistry emblem elements and equation developed for SMK class X the first half was decent based on the standardization of the feasibility of the contents of 3.60, standardize eligibility language amounted to 3.73, standardize eligibility presentation amounted to 3.70, standardization graph amounted to 3.79 (3) There a significant difference in student learning outcomes by implementing chemistry teaching materials have been developed better than the results of student learning without teaching materials that have been developed. (Sig.1-tailed $<\alpha$ (0.008 <0.05)) (4) There is a relationship between the characters are well developed with chemistry student learning outcomes Class X SMK first semester taught by teaching materials and chemicals emblem element of the equation.

Keywords: *Instructional Materials Chemistry Element Symbol and Reaction Equations, Learning Outcomes, Curiosity, Independent, Discipline, Work hard, be honest.*