

ABSTRAK

Anita Debora Simangunsong. NIM.8136142002. Pengaruh Model *Problem Based Learning* (PBL) Berbasis Kolaboratif dengan Media *eXe Learning* Terhadap Kreativitas dan Hasil Belajar Siswa SMA Pada Pokok Bahasan Hidrolisis Garam. Tesis. Medan: Program Studi Pendidikan Kimia Pascasarjana UNIMED, 2015.

Penelitian ini bertujuan untuk mengetahui: 1) perbedaan hasil belajar siswa yang dibelajarkan model *Problem Based Learning* (PBL) berbasis kolaboratif dengan media *eXe Learning* dengan siswa yang dibelajarkan dengan *direct instruction*; 2) pengaruh tingkat kreativitas terhadap hasil belajar kimia siswa; 3) interaksi antara masing-masing model pembelajaran dengan tingkat kreativitas dalam mempengaruhi hasil belajar kimia siswa; 4) ranah kognitif yang paling berkembang setelah dibelajarkan dengan model *Problem Based Learning* (PBL) berbasis kolaboratif dengan media *eXe Learning*. Karena keterbatasan waktu, tenaga, dana, dan fasilitas untuk mendukung penelitian ini, maka sebagai sampel yang akan diteliti hanyalah satu sekolah, yaitu SMA Khatolik Trisakti Medan diambil sebanyak 2 kelas. Instrumen penelitian menggunakan tes hasil belajar berjumlah 30 soal dalam bentuk pilihan berganda, angket dan lembar observasi tentang karakter kreativitas yang telah divalidasi oleh validator. Teknik analisis yang digunakan teknik Analisis varians dua arah (*Two Ways Anova*) dengan bantuan program *SPSS 21,0*. Hasil penelitian disimpulkan bahwa: 1) terdapat perbedaan hasil belajar siswa yang dibelajarkan dengan model *Problem Based Learning* (PBL) berbasis kolaboratif dengan media *eXe Learning* dengan siswa yang dibelajarkan dengan *direct instruction* tanpa media; 2) terdapat pengaruh antara kreativitas terhadap hasil belajar kimia siswa; 3) terdapat interaksi antara masing-masing model pembelajaran dengan tingkat kreativitas dalam mempengaruhi hasil belajar kimia siswa; 4) ranah kognitif yang berkembang untuk kelompok siswa yang dibelajarkan dengan model *Problem Based Learning* berbasis kolaboratif dengan media *eXe Learning* yaitu C_4 dengan persentase sebesar 74% (tinggi). Hasil tersebut memberi indikasi bahwa penerapan model *Problem Based Learning* berbasis kolaboratif dengan media *eXe Learning* memberikan pengaruh positif terhadap peningkatan hasil belajar dan kemampuan siswa dalam menyelesaikan soal – soal pada ranah kognitif C_4 .

ABSTRACT

Anita Debora Simangunsong. NIM.8136142002. *The Effect Model Problem Based Learning (PBL) Based Collaborative Media eXe Learning Against Creativity and Learning Outcomes At the high school student Highlights salt hydrolysis*. Thesis. Terrain: Chemistry Graduate Study Program UNIMED, 2015.

This study aims to determine: 1) differences in student learning outcomes that learned with the model *Problem Based Learning* (PBL) media-based collaborative with *eXe Learning* with students that learned by direct instruction; 2) the effect of the level of creativity of the chemistry student learning outcomes; 3) the interaction between models of learning and the level of creativity with influencing the chemistry student learning outcomes; 4) cognitive most developed after dibelajarkan with the model *Problem Based Learning* (PBL) media-based collaborative with *eXe Learning*. Due to the limitations of time, energy, funds, and facilities to support this study, then as the sample to be studied is only one school, namely Catholic High School Medan Trisakti taken by 2 classes. The research instrument used achievement test included 30 questions in multiple choice form, questionnaire and observation sheet about the character of creativity that has been validated by the validator. Mechanical engineering analysis used analysis of variance of two lanes (Two Ways ANOVA) by *SPSS 21.0*. The final conclusion is that: 1) there is a difference in student learning outcomes that learned with the model of *Problem Based Learning* (PBL) media-based collaborative with *eXe Learning* with students that learned by direct instruction without the media; 2) there is influence between the creativity of the learning outcomes of students with chemistry; 3) there is an interaction between two models of learning and the level of creativity in influencing student learning outcomes chemistry; 4) cognitive evolved to a group of students that learned with a problem based learning model-based collaborative media *eXe Learning* namely C_4 with a percentage of 74% (high). These results indicate that the application of problem based learning model-based collaborative media *eXe Learning* a positive effect on improvement of learning outcomes and the ability of students to solve problems - problems in cognitive C_4 .