

ABSTRAK

Ika Irayani. S: *Pengaruh Penerapan Model Pembelajaran Problem Based Learning (PBL) Dengan Media eXe-Learning Terhadap Motivasi Dan Hasil Belajar Siswa Pada Materi Reaksi Redoks*: Tesis. Medan:
Program Studi Pendidikan Kimia Pascasarjana
Universitas Negeri Medan, 2016.

Penelitian ini bertujuan untuk mengetahui jika: (1) Terdapat perbedaan pengaruh Model Pembelajaran Problem Based Learning (PBL) berbasis Lesson Study menggunakan media eXe-Learning dan Model Pembelajaran Expository berbasis Lesson Study tanpa menggunakan media eXe-Learning terhadap hasil belajar. (2) Terdapat perbedaan pengaruh hasil belajar siswa antara motivasi tinggi dan motivasi rendah. (3) Terdapat interaksi antara Model Pembelajaran Problem Based Learning (PBL) berbasis Lesson Study menggunakan media eXe-Learning dan Model Pembelajaran Expository berbasis Lesson Study tanpa menggunakan media eXe-Learning dengan tingkat motivasi siswa terdapat pengaruh yang signifikan terhadap hasil belajar siswa. Populasi dalam penelitian ini adalah semua siswa kelas X IPA di SMA Swasta Al-Ulum Medan yang terdiri dari 4 kelas tahun ajaran 2015/2016. Teknik pengambilan sampel adalah random sampling. Sampel penelitian yang terdiri dari 2 kelas, yaitu kelas X IPA 4 dan X IPA 6. Setiap kelas pada kelas control dan eksperimen melakukan uji analisis normalitas, homogenitas dan hipotesis. Uji normalitas dan homogenitas menunjukkan bahwa data telah terdistribusi normal dan homogen. Teknik yang digunakan untuk menganalisis data hipotesis menggunakan analisis varians ANAVA dua jalur dengan General Linier Models (GLM) Univariate. Hasil penelitian menunjukkan bahwa: (1) Terdapat perbedaan pengaruh Model Pembelajaran Problem Based Learning (PBL) berbasis Lesson Study menggunakan media eXe-Learning dan Model Pembelajaran Expository berbasis Lesson Study tanpa menggunakan media eXe-Learning terhadap hasil belajar. dengan nilai $\text{sig } (0,000) < \alpha (0,05)$, maka hipotesis pertama diterima. (2) Terdapat perbedaan pengaruh hasil belajar siswa antara motivasi tinggi dan motivasi rendah dengan $\text{sig } (0,002) < \alpha (0,05)$, maka hipotesis kedua diterima. (3) Terdapat interaksi antara Model Pembelajaran Problem Based Learning (PBL) berbasis Lesson Study menggunakan media eXe-Learning dan Model Pembelajaran Expository berbasis Lesson Study tanpa menggunakan media eXe-Learning dengan tingkat motivasi siswa terdapat pengaruh yang signifikan terhadap hasil belajar siswa. dengan nilai $\text{sig } < \alpha (0,02 < 0,05)$ sehingga dapat disimpulkan hipotesis ketiga dapat diterima.

Kata Kunci: *Problem Based Learning (PBL), Lesson Study, Hasil Belajar Siswa, Motivasi Siswa, eXe-Learning.*

ABSTRAC

Ika Irayani, S: *The Effectiveness Problem Based Learning (PBL) Model Based on Lesson Study using eXe Learning Media toward Motivation and Student Learning Outcomes in Redox Topic*: Thesis. Medan:
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This research have the purpose to know if: (1) There different influence *Problem Based Learning* (PBL) model based on Lesson Study using *eXe-Learning* media and Expository model based on Lesson Study without using *eXe-Learning* media toward student learning outcomes. (2) There different influence student learning outcomes between high motivation and low motivation level. (3) Interaction between *Problem Based Learning* (PBL) model based on Lesson Study using *eXe-Learning* media and Expository model based on lesson study without using *eXe-Learning* media with level of student motivation toward student learning outcomes. The population in this research is all of student class X SMA Swasta Al-Ulum Medan academic year 2015/2016 that have 4 class. The sample are chosen is random sampling, sample that take is X-science 4 and X-science 6(all of student in experimental & control class). Every class in experimental class and control class doing analysis normality, homogeneity, and hypothesis test. Normality and homogeneity test can shown from the data is normal distributed and homogeneous. Technique of analysis data using analysis variance two way ANOVA with *General Linear Model* (GLM) *Univariate*. Result of research such as: (1) There different influence *Problem Based Learning* (PBL) model based on Lesson Study using *eXe-Learning* media and Expository model based on Lesson Study without using *eXe-Learning* media toward student learning outcomes. Application learning models toward student learning outcomes obtained significant values $\text{sig} (0,000) < \alpha (0.05)$, So first hypothesis accepted. (2) There different influence student learning outcomes between high motivation and low motivation level. Application of learning models towards student motivation level obtained significant values $(\text{sig}) = 0.002$, where the value $\text{sig} (0,002) < \alpha (0.05)$, so second hypothesis accepted. (3) Interaction between *Problem Based Learning* (PBL) Model Based on Lesson Study using *eXe-Learning* media and Expository model Based on Lesson Study without using *eXe-Learning* Media with level of student motivation is significant influence against student learning outcomes. Result test obtained by $\text{Sig.} < \alpha (0.02 < 0.05)$ it could be concluded the third hypothesis are accepted

Keyword: *Problem Based Learning (PBL), Lesson Study, Student Learning Outcomes, Student Motivation*