

ABSTRAK

RIZKY EMILIYA. Pengembangan Penuntun Praktikum Model *Discovery* dan *Project Based learning* pada Pembelajaran Asam dan Basa di SMA Kelas XI. Tesis Medan : Program Pasca Sarjana Universitas Negeri Medan, Maret 2015.

Penelitian ini merupakan penelitian pengembangan media pembelajaran dibidang pendidikan kimia. Tujuan penelitian ini adalah mengembangkan penuntun praktikum kimia materi Asam dan Basa Model *Discovery* dan *Project Based Learning* SMA Kelas XI serta mengetahui efektifitas penggunaan penuntun praktikum model *Discovery* dan *Project Based Learning* yang telah dikembangkan. Adapun tahapan dalam penelitian ini mencakup (1) Analisis syntax model pembelajaran *Discovery* dan *Project Based Learning* untuk mengetahui komposisi penuntun praktikum kimia sesuai dengan model pembelajaran *Discovery* dan *Project based learning*, (2). Menyusun dan mengembangkan penuntun praktikum kimia materi Asam dan Basa Sesuai dengan syntax model *Discovery* dan *Project Based Learning*, (3) Standardisasi atau uji kelayakan penuntun praktikum kepada validator guru dan dosen, (4) Implementasi penuntun praktikum kepada siswa kelas XI SMA yang menggunakan Kurikulum 2013, (5) Menganalisis efektifitas penuntun praktikum materi asam dan basa yang telah di uji cobakan. Hasil uji kelayakan penuntun praktikum menunjukkan penuntun praktikum model *Discovery* memiliki rata-rata penilaian sebesar 3,30. Dan penuntun Praktikum Model *Project Based Learning* Sebesar 3,59. sedangkan efektifitas penggunaan penuntun praktikum model *Discovery* dan *Project Based Learning* yang dilihat dari peningkatan belajar siswa diketahui bahwa kelas eksperimen I yang menggunakan penuntun praktikum model *Discovery* memiliki nilai rata-rata sebesar 88,00 dengan peningkatan hasil belajar sebesar 79,3%. Sedangkan kelas eksperimen II yang menggunakan penuntun praktikum model *Project Based Learning* memiliki rata-rata nilai sebesar 77,50 dengan peningkatan hasil belajar sebesar 61,7%. Maka disimpulkan bahwa penuntun praktikum model *Discovery* dan *Project Based Learning* layak untuk digunakan sebagai penuntun praktikum disekolah, dengan peningkatan hasil belajar menggunakan penuntun praktikum *Discovery* lebih tinggi dibanding menggunakan penuntun praktikum model *Project Based Learning*.

Kata Kunci: *Model Discovery, Model Project Based Learning, Penuntun Praktikum.*

ABSTRACT

RIZKY EMILIYA. Development of Discovery and Project Based Learning Models Labguide in the learning of Acid Based at SMA Grade XI. Tesis Medan : Postgraduated Program State University of Medan, March 2015.

This research is the part of education development in the field of chemistry learning media. The aim of this research is to develop Labguide in the learning of Acids and Bases based on Discovery and Project Based Learning models in Senior High School Grade XI and determine the effectiveness of using the Labguide that was developed from Discovery and Project Based Learning models. The stages in this research include (1) Knowing the component of Labguide based on syntax analysis of Discovery and Project Based Learning Models, (2). Formulate and develop the Labguide in learning of Acids and Bases accordance with the syntax model of Discovery and Project Based Learning, (3) Standardization or feasibility Labguide to teachers and lecturers, (4) Implementation of Labguide to students of class XI which uses Curriculum 2013, (5) to analyze the effectiveness of Labguide that have been tested. The test results demonstrate the feasibility of Labguide of Discovery Models has an average of 3.30. And Labguide of Project Based Learning Model has an average to 3.59. whereas the effectiveness of the use of Discovery and Project Based Learning Labguide is seen from the increase in student learning in mind that the first experimental class that uses Labguide of Discovery models have an average value of 88.00 with an increase of 79.3% learning outcomes. While the experimental class II uses Labguide of Project Based Learning models have an average value of 77.50 with an increase of 61.7% learning outcomes. It was concluded that the Labguide of Discovery and Project Based Learning feasible to be used as a Labguide in school, with improved learning outcomes using Labguide of Discovery higher than using Labguide of Project Based Learning models.

Keywords: *Discovery models, Project Based Learning models, Labguide.*