ABSTRAK

HENI MULIANI POHAN. Nim : 8146142012. Pengembangan Penuntun Praktikum Kimia Dasar II Terintegrasi Problem Based Learning (PBL) di Universitas Muhammadiyah Tapanuli Selatan (UMTS). Tesis, Medan: Program Studi Pendidikan Kimia Pascasarjana Universitas Negeri Medan, 2016

Penelitian ini bertujuan untuk : (1)menganalisis penuntun praktikum kimia dasar II di UMTS, (2) mengembangkan penuntun praktikum kimia dasar II terintegrasi PBL yang sesuai dengan silabus kimia dasar II di UMTS, (3) untuk mengetahui bagaimana pengaruh penuntun praktikum kimia dasar II terintegrasi PBL terhadap pengetahuan, sikap dan keterampilan mahasiswa. Sampel penelitian ini adalah mahasiswa pendidikan kimia semester IV Universitas Muhammadiyah Tapanuli Selatan (UMTS) sebanyak 14 orang. Sebelum melakukan penelitian, terlebih dahulu peneliti melakukan observasi ke lapangan untuk menganalisis penuntun praktikum kimia dasar II UMTS. Setelah peneliti menyusun penuntun praktikum kimia dasar II terintegrasi Problem Based Learning (PBL) divalidasi oleh 4 orang dosen yang ahli di bidangnya lalu direvisi kemudian seterusnya diuji cobakan ke mahasiswa. Berdasarkan tabulasi diperoleh hasil uji kelayakan isi penuntun praktikum kimia dasar II terintegrasi PBL memiliki rata-rata sebesar 3,88 yaitu layak digunakan dan hasil uji kelayakan aspek bahasa penuntun praktikum terintegrasi PBL memiliki rata-rata 3,75 yang artinya layak digunakan. Hasil penilaianafektif mahasiswa dalam melakukan praktikum menggunakan penuntun praktikum kimia dasar II terintegrasi PBL yaitu sebesar 2,05 yaitu nilai afektif mahasiswa sudah baik dan penilaian psikomotorik diperoleh rata-rata sebesar 2,36 juga kategori baik. Untuk menilai hasil kognitif mahasiswa dilakukan uji pemahaman tes berupa pretes dan postes dengan nilai pretes yaitu sebesar 69,29 dan nilai postes 83,57 sehingga diperoleh nilai gain sebesar 0,46 yaitu efektifitas penuntun praktikum kimia dasar II terintegrasi PBL kategori sedang.

Kata kunci : Pengembangan Penuntun Praktikum Kimia Dasar II, Model Pembelajaran Berbasis Masalah.

ABSTRACT

Heni Muliani Pohan. Nim. 8146142012. Development of Guidance Practical Base of Chemistry II According to the Type of Project Based Learning (PBL) on University Muhammadiyah of South Tapanuli (UMTS). Thesis, Medan: The Postgraduate Program of Chemistry Education on State University of Medan, 2016.

This research was intended to (1) analyse practical guidance base of chemistry II at UMTS, (2) develop practical guidance base of chemistry II according to the type oh project based learning (PBL) matching with chemical syllabus base of chemistry II, (3) to know how influence guidance practical base of chemistry II according to the type of project based learning (PBL) to knowledge, attitude and skill of student. The sample of this research is students education of chemistry on University Muhammadiyah of SouthTapanuli(UMTS) counted 14 peoples. Before doing research, observation done to analyse guide practicalbase of chemistry II on UMTS. After researcher compile guidance practical base of chemistry II on Problem Based Learning (PBL) validation by 4 lecturers then revised later then tested to student. Based on the results of the test elegibility content guidance practical base of chemistry II according to the type of Project Based Learning (PBL) owning average value equal to 3,88 it is means used competent. And result of test elegibility of Ianguage guidance practical base of chemistry II according to the type of Project Based Learning (PBL) owning average value equal to 3,75 it is means used competent. The result assesment of affective value is 2,05 it is means that the affective of student value is good and the result of assesment of psychomotor value is 2,36 it is means that the psycomotor of student value is good too. To assess cognate result of student isusing the understanding test in the form of and pretes postes, with value of pretes that is equal to 69,29 and value of postes is 83,57 so that obtained by value of gain equal to 0,46 with the meaning is the effectivity of the guidance practical base of chemistry II according to the type of Problem Based Learning (PBL) is medium category.

Keywords: Development Guidance Practical Base of Chemistry II, Problem Based Learning model.