

ABSTRAK

Febri Yanti. Nim8166142004. Pengembangan Buku Penuntun Dan Kit Praktikum Kimia Inovatif Terintegrasi PBL (*Problem Based Learning*) Sesuai Kurikulum 2013 Untuk SMA/MA Kelas XI Semester Genap.Tesis Medan: Program Studi Pendidikan Kimia, Pascasarjana, Universitas Negeri Medan, 2018.

Penelitian ini bertujuan untuk memperoleh kelayakan buku penuntun dan kit praktikum kimia inovatif Kelas XI SMA/MA semester genap sesuai kurikulum 2013, penilaian buku penuntun dan kit praktikum berdasarkan tanggapan ahli serta mengetahui tingkat kelayakan melalui uji coba pemakaian yaitu dengan uji ketrampilan proses sains. Penelitian ini merupakan penelitian pengembangan mengacu pada model ADDIE (*Analysis, Design, Development, Implementation, dan Evaluation*). Penuntun praktikum disusun mengikuti langkah model pembelajaran terintegrasi *Problem Based Learning* yang pada prakteknya siswa melakukan percobaan lewat masalah yang diberikan dan melaporkan serta mendiskusikan hasil percobaan yang dilakukan. Selain itu dalam uji keterlaksanaan buku penuntun dan kit praktikum ini dilakukan pengamatan terhadap respon, sikap dan hasil belajar siswa secara kognitif disekolah dan subjek uji keterlaksanaan terdiri dari dua puluh delapan siswa. Teknik pengumpul data menggunakan lembar validasi buku penuntun praktikum, lembar validasi kit praktikum, angket lembar observasi keterlaksanaan praktikum. Penilaian dosen ahli dan guru kimia terhadap buku penuntun praktikum kimia inovatif sesuai kurikulum 2013 berbasis PBL diperoleh rata-rata 3,81 dan penilaian ahli dosen dan guru kimia terhadap kit praktikum diperoleh rata-rata sebesar 3,72 artinya valid dan tidak perlu revisi sehingga dapat dipergunakan dalam pembelajaran kimia. Sikap pada siswa saat melaksanakan praktikum sebesar 83,23%. Respon siswa saat melaksanakan praktikum sebesar 86,60% yaitu dalam kategori sangat baik. Terdapat hubungan yang signifikan terhadap hasil belajar siswa dengan menggunakan buku penuntun dan kit praktikum inovatif terintegrasi PBL.

Kata kunci: Buku penuntun praktikum, Kit praktikum, ,Problem Based Learning, Kurikulum 2013, ADDIE.



ABSTRACT

Febri Yanti, Development of Chemistry Practicum Guide and Kit Integrated *Problem based learning* For Grade 2nd Semester Of XI Senior High School Curriculum 2013.

Thesis. Medan: Chemistry Education Department, Postgraduate of Universitas Negeri Medan, 2018.

This study aims to obtain and observe the feasibility of Chemistry Practicum Guide and Kit Integrated *Problem based learning* For Grade XI Senior High School 2nd Semester Curriculum 2013, assessment of guidebooks and practicum kit based on expert responses and knowing the level of feasibility through the usage trial by testing responses skills. This research is a development research referring to the ADDIE (Analysis, Design, Development, Implementation, and Evaluation) models. The practicum guide is prepared by following the step of the integrated *Problem Based Learning* which in practice students conduct experiments through the problems solving, report and discuss the results of the experiments conducted. Otherwise, implementation test of the guide book and practicum kit, observations on responses, attitudes and student learning outcomes cognitively in school and subject of the implementation test consisted of twenty-eight students. Collection techniques using the practicum guide book validation sheet, practicum kit validation sheet and questionnaire observation practicum. Assessment of expert lecturers and chemistry teachers on innovative chemistry practicum guide books according to Curriculum 2013 integrate PBL obtained the average is 3.81 and an expert lecturer and teacher chemistry assessment of the practicum kit obtained an average is 3.72 meaning that it is valid and does not need revision so it can be used in chemistry learning. Students attitude when carrying out the practicum is 83.23%. Students' responses when carrying out the practicum is 86.60% which is in the very good category. The value significant relation students using a guide book and PBL integrated innovative practicum kit.

Keywords : *Chemistry practicum guide, Chemistry practicum kit, Problem based learning, ADDIE.*