

ABSTRAK

Gaung Atmaja. Nim 8156141019. Inovasi Penuntun Praktikum Kimia SMA Kelas X Semester I Berbasis *Guided Inquiry* Terintegrasi Pendidikan Karakter. Tesis. Medan: Program Studi Pendidikan Kimia Pascasarjana Universitas Negeri Medan, 2017.

Penelitian ini bertujuan untuk mengetahui kelayakan inovasi penuntun praktikum kimia SMA kelas X semester I, penilaian penuntun praktikum berdasarkan tanggapan ahli serta peningkatan hasil belajar siswa melalui uji coba produk. Penelitian ini merupakan penelitian pengembangan mengacu pada model ADDIE, yang merupakan singkatan dari *Analysis* (analisis), *Design* (desain), *Development* (Pengembangan), *Implementation* (penerapan) dan *Evaluation* (evaluasi). Penuntun praktikum disusun mengikuti langkah model pembelajaran berbasis *guided inquiry* yang pada prakteknya siswa merancang sendiri percobaan yang akan dilakukan. Selain itu dalam uji coba terbatas penuntun praktikum ini dilakukan pengamatan terhadap sikap dan keterampilan siswa. Lokasi penelitian di SMA Sultan Iskandar Muda dan SMA Negeri 4 Medan dan subjek uji coba terdiri dari delapan belas siswa. Teknik pengumpul data menggunakan lembar validasi penuntun praktikum, angket, lembar observasi dan instrument tes hasil belajar. Teknik analisis data berupa deskriptif kualitatif dan deskriptif kuantitatif bentuk persentase. Hasil penelitian ini menunjukkan bahwa: (1) penuntun praktikum yang telah di inovasi layak menjadi buku pegangan guru dalam pembelajaran kimia, (2) hasil belajar berdasarkan tes kemampuan kognitif siswa MIA 1, MIA 3, MIA 7 dan MIA 10 sebesar 0,7; 0,6; 0,8 dan 0,7 dengan kriteria sedang (3) hasil belajar berdasarkan penilaian sikap siswa MIA 1, MIA 3, MIA 7 dan MIA 10 sebesar 87,5; 87,5; 87,5 dan 93,7, (4), untuk penilaian keterampilan siswa MIA 1, MIA 3, MIA 7 dan MIA 10 sebesar 77,2; 72,7; 79,5 dan 77,2 dengan kriteria baik.

Kata kunci: inovasi penuntun praktikum, kimia SMA semester I, berbasis *guided inquiry*



ABSTRACT

Gaung Atmaja, Innovation Of Practicum Guide Senior High School Grade X Semester I Based On Guided Inquiry Integrated With Character Education, Thesis, Medan: Chemistry Program, Postgraduate, State University Of Medan, 2017.

This research aims to know the innovation of practicum guide senior high school grade X semester I feasibility, the assesment of practicum guide based on expert judgment assement also students learning outcomes improvement throught product trials. This research is a development research referred to the ADDIE model, stands for Analysis, Design, Development, Implementation and Evaluation. Practicum guide was arranged based on guided inquiry learning model that the students do experiment according to their design own experiment. Beside that, in limited product trials of practicum guide, did the observation of students affective and skills. There search location was in SMA Sultan Iskandar Muda and SMA Negeri 4 Medan, the trials subject consist of eighteen students. The data collection technique use practicum guide validation sheet, questionnaires, observation sheet, and student learning outcomes instrument test. Data analysis technique was a qualitative and quantitative descriptive in form of percentage. This research result showed that: (1) practicum guide that has been innovated worth to be teacher's book in learning chemistry, (2) learning outcomes based on student cognitive ability test of MIA 1, MIA 3, MIA 7, and MIA 10 with score 0.7; 0.6; 0.8 and 0.7 with criterium medium (3) learning outcomes based on students affective MIA 1, MIA 3, MIA 7 and MIA 10 with score 87.5; 87.5; 87.5 and 93.7, and (4) for the assesment of student skills MIA 1, MIA 3, MIA 7 and MIA 10 with score 77.2; 72.7; 79.5 and 77.2 with good criteria.

Keywords: Innovation lab, the first semester of high school chemistry, based *guided inquiry*