

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan lembar kerja siswa (LKS) praktikum berbasis inkuiri terbimbing pada subpokok materi hubungan hasil kali kelarutan dan pengendapan dan mengetahui kualitas LKS yang dikembangkan berdasarkan keterlaksanaan tahapan inkuiri, penilaian guru dan respon siswa. Langkah-langkah penelitian terdiri dari tahap studi pendahuluan (studi kepustakaan, survei lapangan, dan penyusunan produk awal) dan pengembangan model (uji coba terbatas dan revisi hasil uji coba terbatas). Sumber data adalah 10 guru kimia dan siswa kelas XI. Instrumen yang digunakan adalah pedoman wawancara, lembar penilaian komponen LKS, lembar observasi terhadap keterlaksanaan praktikum, pedoman penilaian jawaban siswa pada tugas-tugas yang terdapat dalam LKS, lembar penilaian guru, dan angket respon siswa. Hasil penelitian pada tahap studi pendahuluan menunjukkan bahwa karakteristik LKS pada subpokok materi hubungan hasil kali kelarutan dan pengendapan yang digunakan di SMA saat ini adalah LKS yang berisi intruksi langsung (*cook book*) dengan menggunakan alat dan bahan standar laboratorium kimia SMA. Karakteristik LKS praktikum yang dikembangkan adalah LKS berbasis inkuiri terbimbing dengan prosedur percobaan yang dirancang sendiri oleh siswa dengan menggunakan alat dan bahan standar laboratorium kimia SMA. Hasil penelitian pada tahap pengembangan model menunjukkan bahwa keterlaksanaan LKS berbasis inkuiri yang dikembangkan sangat baik dengan persentase sebesar 91,57% yang terdiri dari observasi keterlaksanaan tahapan inkuiri (100%) dan penilaian jawaban siswa terhadap tugas-tugas LKS (83,15%). Penilaian guru terhadap LKS praktikum berbasis inkuiri yang dikembangkan sangat baik dengan persentase penilaian sebesar 85,33% yang terdiri dari penilaian terhadap kesesuaian dengan konsep hubungan hasil kali kelarutan dan pengendapan (86,51%), dan kesesuaian dengan tata bahasa (83,93%). Respon siswa terhadap LKS berbasis inkuiri yang dikembangkan sangat baik dengan persentase sebesar 83,45%.

Kata kunci: LKS praktikum, inkuiri terbimbing, hasil kali kelarutan, pengendapan.

ABSTRACT

This study aims to develop the student worksheets (LKS) guided inquiry lab based on material subtopic relationship solubility product and precipitation and know the quality of the worksheets that were developed based on feasibility stage of inquiry, teacher assessment and student response. Research steps consist of the preliminary study stage (library research, field survey, and the preparation of initial product) and development model (limited testing and revision of the results of limited testing). Data source is a chemistry teacher and students 10 class XI. The instrument used is the interview guides, worksheets assessment components, sheet against the enforceability of practicum observation, assessment guidelines student answer on the tasks contained in the worksheets, teacher assessment sheets, and student questionnaire response. The results in the preliminary study phase showed that the characteristic of worksheets lab on subtopic material relationship solubility product and precipitation are used in high school today are worksheets that contain direct instruction (cook book) by using the standard tools and materials chemistry laboratory high school. Characteristic worksheets lab was developed with a procedure based on guided inquiry experiment designed by students using tools and materials standard high school chemistry lab. The results at this stage of development of the model shows that the enforceability of inquiry-based worksheets lab were developed very well with the percentage of 91,57%, consisting of observations feasibility stage of inquiry (100%) and assessment of students' task worksheets lab (83,15%). Assessment of teachers to inquiry-based worksheets lab were developed very well with the percentage of 85,33%, consisting of an assessment of the conformity with the concept of solubility product relationship and precipitation (86,51%), and compliance with grammar (83,93%). Students' response to inquiry based worksheets lab were developed very well with the percentage of 83,45%.

Keywords: lab worksheets, guided inquiry, solubility product, precipitation.