

ABSTRAK

Penelitian bertujuan untuk mengembangkan LKS praktikum berbasis inkuiri terbimbing pada topik pengaruh penambahan asam terhadap kelarutan garam, untuk jenjang SMA/MA dilakukan dalam dua tahap, yaitu tahap studi pendahuluan (meliputi studi kepustakaan, survei lapangan, dan penyusunan produk awal) dan tahap pengembangan model (uji coba terbatas). Sumber data adalah LKS atau petunjuk praktikum kelas XI yang tersedia sampai dengan Mei 2013, sepuluh guru kimia SMA Kota Bandung, dan 32 siswa kelas XI di Kota Bandung. Instrumen penelitian yang digunakan berupa pedoman wawancara, lembar penilaian komponen LKS praktikum pada bahan ajar, lembar observasi terhadap keterlaksanaan tahapan inkuiri dalam praktikum, pedoman penilaian jawaban siswa terhadap tugas-tugas dalam LKS, angket respon siswa, dan penilaian guru. Hasil penelitian pada tahap studi pendahuluan menunjukkan bahwa karakteristik LKS pada topik pengaruh penambahan asam terhadap kelarutan garam adalah LKS yang berisi instruksi langsung (*cook book*) dengan percobaan menggunakan alat dan bahan standar laboratorium kimia SMA. Karakteristik LKS yang dikembangkan dalam penelitian ini adalah LKS praktikum berbasis inkuiri terbimbing pada materi pengaruh penambahan asam terhadap kelarutan garam dengan prosedur percobaan yang dikembangkan sendiri oleh siswa menggunakan alat dan bahan standar laboratorium kimia SMA yang dipilih oleh siswa. Hasil penelitian pada tahap pengembangan model menunjukkan kualitas LKS yang dikembangkan tergolong sangat kuat dengan persentase keseluruhan sebesar 84,14%, yang terdiri dari persentase keterlaksanaan tahapan inkuiri sebesar 88%, persentase angket respon siswa sebesar 78,13%, dan persentase penilaian guru sebesar 86,3%.

Kata kunci: LKS praktikum berbasis inkuiri terbimbing, kualitas LKS, pengaruh penambahan asam terhadap kelarutan garam.

ABSTRACT

The research to develop lab-based guided inquiry worksheets the effect of acid on the salt solubility for high school carried out in two stages , first stage of preliminary studies (including literature studies, field surveys and preparation of initial product) and second stage is model development (limited testing). Data source is the student worksheets class XI are available up to May 2013, ten high school chemistry teacher in Bandung, and 32 students of class XI in Bandung. The research instrument used in the form of interview, assessment sheets practicum component worksheets on teaching materials, observation sheet to feasibility stage of inquiry in the lab, the students' answers to the assessment guidelines tasks in worksheets, student questionnaire responses, and teacher assessment. The results at this stage of preliminary studies suggest that the characteristics of student worksheets on the topic of the effect of acid on the solubility of the salt is a worksheet that contains the direct instruction (cook book) with experiments using standard tools and materials chemistry laboratory high school. Student worksheets characteristics developed in this study is based guided inquiry lab worksheets on material effect on the solubility of acid addition salts with the experimental procedure developed by students using standard laboratory equipment and materials are selected by high school chemistry students. The results at this stage of development of the model shows that the quality worksheets were developed as very strong with the overall percentage of 84.14 % , which is composed of a feasibility phase inquiry percentage of 88% , the percentage of student questionnaire responses amounted to 78.13 % , and the percentage of teacher assessment at 86 , 3 % .

Keyword: student worksheets guided inquiry-based lab, the quality of student worksheets, the effect of adding acid to the salt solubility.