

## ABSTRAK

Penelitian ini bertujuan untuk mengembangkan Lembar Kerja Praktikum (LKP) kelarutan dan hasil kali kelarutan berbasis inkuiri terbimbing pada konteks pembuatan fungisida tembaga (II) hidroksida. LKP diuji keterlaksanaannya, dinilai oleh pendidik, dan diuji respon peserta didik terhadap LKP tersebut. Langkah-langkah penelitian terdiri dari studi pendahuluan dan pengembangan model (uji coba terbatas). Sumber data penelitian ini adalah buku kimia, pendidik yang berasal dari SMA dan perguruan tinggi, serta peserta didik kelas XI salah satu SMA di Kabupaten Bandung Barat. Instrumen penelitian yang digunakan terdiri dari pedoman wawancara, lembar analisis karakteristik LKP, rancangan optimasi pemilihan bahan, lembar observasi keterlaksanaan, pedoman penilaian jawaban, lembar penilaian pendidik, dan angket respon peserta didik. Hasil penelitian pada tahap studi pendahuluan menunjukkan bahwa karakteristik LKP yang digunakan di SMA belum berbasis inkuiri. Berdasarkan hasil optimasi, konsentrasi yang optimum untuk larutan tembaga sulfat dan larutan natrium hidroksida adalah 0,1 M dan  $1 \times 10^{-9}$  M. Hasil uji coba terbatas menunjukkan bahwa keterlaksanaan tahapan inkuiri dalam LKP sangat baik (93%) dan jawaban peserta didik dalam LKP sangat baik (82,26%). Penilaian pendidik terhadap LKP sangat baik, ditinjau dari segi kesesuaian dengan konsep (85,21%), ketepatan tata bahasa (81,47%), serta ketepatan tata letak dan perwajahannya (78,34%). Adapun respon peserta didik terhadap LKP sangat baik ditinjau dari aspek kemudahan (80,42%) dan ketertarikan (84,03%) terhadap LKP tersebut.

Kata kunci: inkuiri terbimbing, lembar kerja praktikum, hasil kali kelarutan, fungisida tembaga (II) hidroksida.

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**PENGEMBANGAN LEMBAR KERJA PRAKTIKUM (LKP) KELARUTAN DAN HASIL KALI KELARUTAN BERBASIS INKUIRI TERBIMBING PADA KONTEKS PEMBUATAN FUNGISIDA TEMBAGA (II) HIDROKSIDA**

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## ABSTRACT

This study aims to develop guided inquiry-based lab worksheet on copper (II) hydroxide fungicide making in solubility product learning. The worksheet is feasibility tested and assessed by educators. Students' responses on the worksheet are also tested. Research steps consist of preliminary studies (field survey, literacy studies, and development preliminary form of product) and preliminary field testing. Data sources in this study were chemistry textbooks and worksheets, chemistry educators from high schools and university, and 11th grade high school students in Kabupaten Bandung Barat. The instruments used are interview guidelines, analysis sheet of worksheet characteristic, feasibility observation sheets, students' answer assessment guidelines, assessment sheets for educators, and students' response questionnaire. The results from preliminary studies showed that the worksheets commonly used in high school aren't based on inquiry. Lab activities on copper (II) hydroxide making used 0,1 M and  $1 \times 10^{-9}$  M copper sulfate solution and 0,1 M and  $1 \times 10^{-9}$  M sodium hydroxide solution. The results from preliminary field testing showed that the feasibility of inquiry steps on the worksheet is very good (93%) and the students' answer are very good (82,26%) as well. Educators assessment showed that the worksheet is very well developed, based on the suitability of the concept (85,21%), the accuracy of grammar (81,47%), and the accuracy of layout and typographical arrangement (78,34%). And the students' response on the worksheet is very good, based on the difficulties (80,42%) and their interest (84,03%) of the worksheet.

Keywords: guided inquiry, lab worksheet, solubility product, copper (II) hydroxide fungicide.