

## ABSTRAK

Tujuan dari penelitian ini adalah mengembangkan LKS praktikum berbasis inkuiri terbimbing untuk kelas XI SMA pada topik Penentuan Kadar Asam Sulfat dalam *Accuzuur* serta memperoleh informasi mengenai tingkat keterlaksanaan praktikum, respon siswa, dan validasi oleh dosen dan guru terhadap LKS yang dikembangkan. Metode penelitian yang digunakan adalah metode deskriptif. Tahap penelitian yang dilakukan meliputi Tahap persiapan (studi kepustakaan, pembuatan instrumen dan penyusunan produk awal), tahap pelaksanaan (uji coba terbatas), dan tahap pelaporan (pengolahan data dan penarikan kesimpulan). Sumber data dari penelitian ini terdiri dari LKS yang beredar, siswa kelas XI pada salah satu SMA di Cimahi, Guru kimia SMA di Cimahi, dan dosen kimia FPMIPA UPI. Instrumen penelitian yang digunakan berupa lembar analisis keterampilan inkuiri, lembar observasi keterlaksanaan tahapan inkuiri, pedoman penilaian jawaban siswa terhadap tugas-tugas LKS, angket respon siswa, dan lembar validasi dosen dan guru. Data yang diperoleh diskor dan dipersentasekan kemudian diinterpretasikan sesuai dalam Riduwan (2014, hlm. 17) Hasil penelitian menunjukkan bahwa LKS yang beredar masih belum memenuhi kriteria keterampilan inkuiri. Hasil penilaian terhadap keterlaksanaan tahap-tahap inkuiri sangat baik (99,14%), respon siswa sangat baik (82,22%), validasi dosen dan guru terhadap kesesuaian LKS terhadap standar keterampilan inkuiri sangat baik (87,50%), kesesuaian kesesuaian konsep LKS sangat baik (90,10%), kriteria tata Bahasa LKS sangat baik (86,67%), kriteria perwajahan LKS sangat baik (91,50%) Berdasarkan hasil penelitian, LKS yang dikembangkan memiliki tingkat keterampilan inkuiri yang sangat baik. Disarankan bahwa penelitian lanjutan perlu dilakukan agar LKS lebih teruji keefektifannya dalam pembelajaran.

*Kata kunci : Lembar Kerja Siswa (LKS), inkuiri terbimbing, titrasi asam basa, Accuzuur.*

Sundari Danutrisno, 2017

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## ABSTRACT

The aim of this study was to develop guided inquiry lab-based worksheet for 2<sup>nd</sup> class of senior high school on the topic of Determine Concentration of Sulfuric Acid in Accuzuur, and gaining the information of lab-practice feasibility, student response, and assessment by lecturers and teachers against worksheets that is being developed. This research was using description method. Stage of the research conducted include Preparation (Literature study, instrument manufacture, and initial product preparation), Implementation (Limited trial), and Reporting (Data processing and conclusion). Data sources in this study were LKS that existed up to this present day, senior high school students of class XI Senior High School in Cimahi, Chemistry teachers in Cimahi, and chemistry lectures of FPMIPA UPI. This research instrument used was a sheet analysis inquiry skills for lab worksheet, inquiry stage implementation observation sheets, assessment guidelines for students' answers related to the worksheet tasks, student questionnaire responses, and assessment sheets given to lecturers and teachers. The data will be scoring and presentate then intrepretation as in Riduwan (2014, hlm. 17). The risults showd that LKS that existed up to this present day still do not fulfill criteria for inquiry skills. The result of the lab-practice feasibility achived werw is very good (99,14%), student response is very good (82,22%), assessment from lecturers and teachers in inquiry skills standard is very good (87,50%), conformity of concept standard is very good (90,10%), criterion of terms of languages is very good (86,67%), criterion of terms of layout is very good (91,50%) Based of this research result, the developed LKS have a good level of inquiry. It is suggested that further research should be done so that LKS is more tested for its effectivtiness in learning.

Keyword : Lab-based worksheets (LKS), guided inquiry, acid-base titration, Accuzuur

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