

ABSTRAK

PENGEMBANGAN BUKU PANDUAN PRAKTIKUM KIMIA KELAS XI BERBASIS *GUIDED INQUIRY* DENGAN PENDEKATAN KONTEKSTUAL

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Analisis kebutuhan penggunaan panduan praktikum di tiga sekolah negeri di Yogyakarta menunjukkan bahwa panduan praktikum kimia yang digunakan masih berbasis *cookbook*, sehingga peserta didik kurang terlibat langsung saat kegiatan praktikum. Pelaksanaan kegiatan praktikum menggunakan model pembelajaran *guided inquiry* yang melibatkan peserta didik mulai dari merumuskan hipotesis hingga menarik kesimpulan dapat mengatasi permasalahan tersebut. Penelitian ini bertujuan untuk mengembangkan produk berupa buku panduan praktikum kimia kelas XI berbasis *guided inquiry* dengan pendekatan kontekstual yang sesuai dengan pengembangan model Borg and Gall dan yang layak digunakan untuk pembelajaran kimia. Hasil uji coba skala terbatas di SMA Negeri 1 Minggir menunjukkan bahwa produk yang telah dikembangkan memiliki tingkat kelayakan dengan kategori sangat layak dan menghasilkan persentase rata-rata nilai validasi sebesar 94,49%. Efektivitas penggunaan produk dikategorikan sangat efektif, didukung dari ketuntasan hasil belajar peserta didik dengan persentase minimum sebesar 83,33% dan data *N-Gain* dengan persentase 78,27% sampai 80,55%. Kepraktisan produk dikategorikan sangat baik, didukung dari rata-rata tanggapan peserta didik terhadap produk mencapai 94,28% dan tanggapan setelah menggunakan produk sebesar 94,83%. Produk sesuai dengan model pengembangan Borg and Gall dan dinyatakan sangat layak untuk pembelajaran kimia.

Kata kunci: *guided inquiry*, panduan praktikum kimia, pendekatan kontekstual

ABSTRACT**DEVELOPMENT OF CLASS XI CHEMISTRY PRACTICUM GUIDE BOOK
BASED ON GUIDED INQUIRY WITH CONTEXTUAL APPROACH**

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Needs analysis on the use of practicum guides in three high schools in Yogyakarta shows that the chemistry practicum guides used are still cookbook-based, resulting in students being less directly involved in practicum activities. The implementation of practicum activities using the guided inquiry learning model by involving students from formulating hypotheses to making conclusions can overcome these problems. This study aims to create a class XI Chemistry practicum guide book based on guided inquiry with contextual approach that is suitable with the development of the Borg and Gall model and is feasible for use in chemistry learning. The limited trial results at SMA Negeri 1 Minggir show that the product that has been developed has a feasibility level in the very feasible category and produces average validation value of 94.49%. The effectiveness of using the product is very effective, supported by students learning outcomes with a minimum percentage of 83.33% and N-Gain data with a percentage of 78.27% to 80.55%. The practicality of the product is categorized as very good, supported by the average student response to the product reaching 94.28% and the response after using the product is 94.83%. The product is suitable with the development of the Borg and Gall model and is very feasible for use in chemistry learning.

Keywords: guided inquiry, chemistry practicum guides, contextual approach