

THE DEVELOPMENT MySQL-ANDROID BASED CIMS (CHEMICAL INVENTORY MANAGEMENT SYSTEM) AS AN INDEPENDENT LEARNING SOURCES FOR VOCATIONAL SCHOOL OF CHEMICAL ANALYSIS STUDENTS

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ABSTRACT

This study aims to (1) develop an independent learning source for vocational school students majoring in chemical analysis in the form of software about CIMS (Chemical Inventory Management System) and (2) to know the quality of learning resources developed based on responses of chemistry teacher and vocational students majoring in chemical analysis.

The chemical inventory system, namely CIMS, using MySQL as a database and an applications on Android smartphones. The development procedure of this research adapts the Gall development procedure. The assessment of this system covers the breadth and material truth, program performance aspect and reading result aspect

The results of this research are (1) a MySQL based CIMS application device as a database and reader application on Android platform smartphone and (2) based on teacher assessment result and the limited trial to students it is known that CIMS application developed very good quality.

Kata Kunci: *Chemical Inventory Management System*