

ABSTRACT

DEVELOPMENT OF GUIDE PRACTICUM CHEMICAL BASED ON GUIDED INQUIRY IN TENTH GRADE SENIOR HIGH SCHOOL IN KOTABUMI NORTH LAMPUNG

By

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The purpose of this study were (1) to analyze the condition and potential for development chemistry laboratory manual, (2) describe the chemistry laboratory guide the development process, (3) produce a chemistry laboratory manual, (4) analyze the effectiveness of chemistry laboratory manual, (5) analyze the efficiency of manual chemistry laboratory and (6) to analyze the attractiveness of the chemistry laboratory manual. Research and development research approach Borg and Gall. The study was conducted in senior high school Kemala Bhayangkari Kotabumi, SMAN 1 and SMAN 4 Kotabumi. Data collection using the instrument test, questionnaire, and observation sheet. Data were analyzed by descriptive quantitative. Conclusions of research are: (1) the condition of the used chemistry laboratory guide not support practical activities and characteristics of students most have kinesthetic learning style. (2) The process of guideline development involves a chemistry laboratory test materials experts, media expert test, test and test instructional design expert linguists. (3) Specifications practicum guide chemical material class tenth senior high school chemical bonds, made up of the first part (introduction), the core (practicum) and the final section (bibliography). (4) The effective chemistry laboratory manual, with an average gain of 0.71. (5) Efficient practicum guide chemical used in the study, with the efficiency of 1.12. (6) Practicum guide chemical attractive for students, with total percentage of 81.33%.

Key Word: practicum guide, chemical, guided inquiry.