

THE DEVELOPMENT OF CHEMISTRY LABORATORY KIT (CLK) IN CONTEXTUAL BASED FOR CHEMICAL SOLUTION LEARNING OF CLASS XI SMA / MA

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ABSTRACT

This development research aims to (1) Know the stages in developing the Chemistry Laboratory Kit (CLK) in class XI SMA / MA for chemical solutions subject in accordance to good media criteria, (2) Know the quality of the media for Chemistry Laboratory Kit (CLK) chemical solution as a medium for chemistry learning in class XI SMA / MA, (3) know the handbook quality for the making and the using of Chemistry Laboratory Kit (CLK) chemical solution for class XI SMA / MA, (4) Know the responses of students in class XI SMA / MA to Chemistry Laboratory Kit (CLK) chemical solution.

The development model used in this study is the Design Based Research (DBR) development model, covering the stages of focus, understanding, conceptualization, development, and testing. The quality of the Chemistry Laboratory Kit (CLK) media passes through the validation stages of material experts, media experts, peer reviews, and feasibility tests by chemistry teachers by filling in an assessment instrument that contains 6 aspects. The limited test was conducted on 105 students of MAN 1 Yogyakarta.

This research has produced Chemistry Laboratory Kit (CLK) chemical solution as a medium of chemistry learning in class XI SMA / MA, the average score of the content / material aspects is 13.83 with an ideal percentage of 92.2%, contextual aspects 30.67 with ideal percentage of 87.6%, aspects of presentation 27.17 with ideal percentage of 90.6%, aspects of graphics 27.33 with ideal percentage of 91.1%, aspects of use with ideal percentage of 92.8%, and contextual aspects with ideal percentage of 87, 73%. So that the total average score of 148.66 and the percentage of ideals 90.27% so that the Chemistry Laboratory Kit (CLK) is included in the category of very good quality (SB). The percentage of students' enthusiasm in practicum activities using the Chemistry Laboratory Kit (CLK) for 105 respondents was 93% so it was included in the very high category.

Kata Kunci: *Chemistry Laboratory Kit (CLK), contextual*