

**THE DEVELOPMENT OF INTEGRATED TEACHING MATERIAL
OF PROBLEM BASED LEARNING MODEL IN CHEMISTRY SUBJECT**

GRADE X EVEN SEMESTER

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ABSTRACT

This research aims to obtain the teaching materials integrated with PBL model. The form of this research is descriptive research. This type of research includes the type of research and development (R & D), through the analysis stages, design stages and development stage. Research subjects are chemistry teaching material grade X even semester. The samples that used in this research consisted of 20 students of SMA N 3 Medan consisting of students with high learning outcomes and students with low learning outcomes, 3 chemistry teachers grade X and 2 chemistry lecturers at Medan State University. The selection of sample in the research using purposive sampling technique. Teaching materials that have been developed are validated by expert validator consisting of lecturers and teachers. The assessment is based on the form of BSNP, and also doing limited trials to get students responses to the developed teaching materials. Based on the data results of research on teaching materials developed by lecturers and teachers obtained an average value of 3.34 it means the teaching material valid and doesn't need revised. The assessment results of students' of the developed teaching material get average value of 3.66 for students with high learning outcomes and 3.57 for students with low learning outcomes it means the developed teaching material valid and doesn't need revised. From the assessment results obtained valid value which means the chemistry teaching material is feasible to use and get positive response.

Keyword: *Teaching material, PBL model, Research and Development (R&D),*