

PENGEMBANGAN MODUL PEMBELAJARAN KIMIA BERBASIS PENDEKATAN SAINTIFIK PADA MATERI LAJU REAKSI

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Abstract

This research aims to develop a learning module on a scientific approach based chemical reaction rate material. The method used is research and development (Research and Development). Steps being taken in this study consisted of a needs analysis, product development, product validation by subject matter experts, language, and media, and product trials by students and teachers. The development of this learning module serves to support independent learning. Learning materials presented and designed by adopting the steps of the scientific approach. Learning module consists of three learning activities that each systematically arranged. Visual display on the module presented with an attractive design so as to increase the interest of learners. Validation by experts showed very good results with the r value of 0.81 to 0.94. In the final phase, the test results of products by learners and teachers have also proved highly with the percentage of votes > 80%. Based on the results it can be concluded that the learning module based on a scientific approach to the material reaction rate very well developed and feasible for use in the learning process chemistry.

Keywords: *Saintific Approach, Teaching Materials, Learning Module, Chemistry Module, Kinetics.*