

ABSTRACT

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This research is motivated by the problem of the lack of variety of teaching materials used during the teaching and learning process in schools. For this reason, the reason for this research is to design electronic module teaching materials based on scientific literacy on colloidal topics. This research is a development research consisting of 4 stages, namely: define stage, design stage, develop stage, and disseminate stage. This research instrument uses validation sheets and questionnaires which are analyzed descriptively qualitatively and descriptively quantitatively. This electronic module was validated by 4 media validators, namely 2 chemistry lecturers and two chemistry teachers and material validators, namely 1 chemistry lecturer and two chemistry teachers. Based on the results of the study, the percentage of assessment on the validation of teaching materials by media experts was 89% with very feasible assessment criteria and the percentage of assessment on validation of teaching materials by material experts was 91.75% with very appropriate assessment criteria on aspects of content feasibility, language feasibility, presentation and presentation feasibility. graphic eligibility. The response of class XII IPA 7 students from SMA Negeri 7 Medan was obtained with a total percentage of 91.29%, which means students strongly agree and accept and respond to teaching materials very well.

Keywords: *Electronic Module, Scientific Literacy, Colloid*

