

ABSTRACT

Nadya Ulfa, ID Number 4173131027(2021). The Development of Acid Base E-Module Based on Scientific Literacy

Teaching materials are one of the aspects for improving student's scientific literacy skills, but today, teaching materials that used in school especially about acid base materials do not yet have the maximum content of scientific literacy. Through research design of research and development from Borg and Gall up to 7 stages, scientific literacy-based teaching materials have been developed in acid base material. The instrument used in this study was the BSNP standard validation sheet and scientific literacy aspects that had been modified according to the needs of e-module development and other instrument is teacher and student response questionnaires. Validation was carried out by UNIMED chemistry lecturers and chemistry teachers at SMA Negeri 10 Medan. The developed e-module was distributed to 2 chemistry teachers and 20 students of Class XI Science Department at SMA Negeri 10 Medan to give an assessment. Based on the validation results obtained from the validator, the average result is 4.70 which meet "very feasible" criteria. The average value of teachers and students responses was 4.60 and 4.42 with the criteria of "very feasible". So overall, the acid-base e-module based on scientific literacy is appropriate to be used as teaching material in learning activities.

Keywords: E-Module, Scientific Literacy, Acid Base

