ABSTRACT

Raivita Jesica Nainggolan, NIM 4183121026 (2018). The Generate Of E-Modules Based On Contextual On Harmonious Motion Materials To Optimize The Understanding Of Concepts In SMA Negeri 10 Medan.

This study aims to: (1) Knowing the validity of e-modules based contextual on harmonious motion materials to optimize the understanding of high school students' concepts, (2) Knowing the practicality e-modules based contextual on harmonious motion materials to optimize students' understanding of concepts, (3) Knowing the effectiveness of e-modules based contextual on harmonious motion materials to optimize the understanding of high school students' concepts, and (4) Knowing the optimization of students' understanding of concepts after using e-modules based on contextual on harmonious motion materials. The subjects in this research were students of class X MIA 1 & X MIA 2 in SMA Negeri 10 Medan. This type of research is Research and Development (R&D) using a 4D model. The data collection instruments used in this study consisted of validation questionnaires for material experts, media experts, learner experts, teacher response questionnaires and student response questionnaires as well as pretests and posttests of concept understanding abilities. The data analysis techniques used in this study are quantitative and qualitative. The results of this study are: (1) e-modules based on contextual on harmonious motion materials have met very valid criteria with an average score of material experts getting 92.96%, and media experts getting 93.40%, learning experts at 96.48%; (2) the results of the teacher's response to the e-modules based on contextual on the harmonious motion material were 94.79% and 95.02% student response included in the practical criteria; (3) the effectiveness quality of the e-module is seen from the test of concept understanding results with an n-gain of 0.71 in the high category which shows that there is an optimization of students' concept understanding; and (4) the understanding of students' concepts that using e-module based on contextual is optimize than student using book in the school indicated by the hypothesis of the calculation t_{count} value of posttest data of 2,364 while the t_{table} value is 1,799. So that a hypothesis testing decision was made for posttest data, namely $t_{count} > t_{table}$, it was stated that H_a was accepted. So based on these results, it can be concluded that e-modules based on contextual on harmonious motion materials are valid, practical, effective to be used as learning resources, and can optimize the understanding of student concepts.

Keywords: Generate, E-Module, Contextual Approach, Harmonious Motion, Concept Understanding.