

ABSTRACT

Auliya Rahman, ID Number 4183131032 (2023). Development of Electronic Module Using 3D Pageflip Professional on Reaction Rate Material.

The role of technology in education can support the learning process, which impact the learning process more effective and efficient. But teacher at XI Science 1 class in MAN 1 Medan only used the teaching material in the form of a printed book in teaching activities in reaction rate material and have not tried innovation using media in the form of software. This study aims to obtain: (1). Develop E-Modul using 3D Pageflip professional on reaction rate material. (2). Knowing the feasibility of E-Modul. (3). To improve student learning outcomes on the reaction rate material. (4). Knowing the response of students about E-Modul. The type of research used in this study is research and development (R&D) method and this research using Borg and Gall model. There are 7 steps to doing this research they are the potential and problems, data collection, product design, design validation, design revision, product trial, and product revision. From the results of study there is an increase in learning outcomes after the teaching treatment of the reaction rate material using 3D Pageflip Professional learning media. From learning outcomes data, the average student score has increased from the pretest score, namely 73.8 to 85. Then the number of students which was completed from 26 students to 33 students with a percentage of 97%. Then the students response for fourth assessed aspect obtained a percentage of 87.6% (strongly agree/very feasible). From the students learning outcomes and students response it can be concluded that 3D Pageflip Professional electronic module on reaction rate material is has good impact and feasible to increase students outcomes on reaction rate material.

Keywords: Development, electronic module, 3D Pageflip Professional, learning media, reaction rate.