ABSTRACT

Reni Levianta Sipayung, IDN 4203351009 (2024). Development of Explainer Video as Learning Media Using Kinemaster on Human Respiratory System Material for VIII Grade Students at SMP Negeri 37 Medan.

Good organization of materials is a very important factor. But in fact the teacher only uses simple media. The human respiratory system is abstract material. So the development of explainer video learning media is a solution to overcome these problems. This study aims to see the feasibility based on the assessment of material experts, media experts, learning experts, responses from science teachers and students as well as the effectiveness of explainer video as learning media for VIII grade students in junior high school. The sample of this research is class VIII-A students totaling 32 students. This type of research is Research and Development (R&D) using the ADDIE model. The instruments used in the study to see the feasibility of explainer videos consisted of validation questionnaires for material experts, media experts, learning experts, science teacher responses, and student responses. The test used was in the form of multiple choice to measure the effectiveness of the explainer video. From this study, the percentage of feasibility of material expert validation is 84.71%, media expert validation is 87.69% and learning expert validation is 90.67%, which each received a "very feasible" category. Students' response to it was 87.24% with the criteria of "very strong". The teacher's response to the explainer video was 94.29% which is included in the "very strong" category. Thus, students and teachers gave positive responses to the use of explainer videos as learning media on human respiratory system material. The effectively designed explanatory video has an average N-gain value of 0.72 which is classified as "high".

Keywords: Learning media, explainer video, human respiratory system