ABSTRACT

Octaviani Damayanti Br Naibaho, IDN 4183121028 (2023). The Development of E-Student Worksheet Assisted By Flip Pdf Corporate Based on Discovery Learning in Sound Wave.

This research was aimed to knowing the level of validity, practicality, and effectiveness of e-student worksheet assisted by Flip PDF Corporate based on discovery learning in sound wave. The development model in this study used the 4D model learning device development method with define, design, and develop, and disseminate. The data collection instruments used in this study consisted of a material and media expert validation questionnaire, a teacher practical questionnaire, student responses questionnaire, and a test instrument. The type of data obtained from the results of the study is qualitative data which analyzed using quantitative data in the form of numerical data and is interpreted with guidelines for the assessment category criteria to determine product quality. The results of the study show that e-student worksheet has very valid criteria with an average result of the assessment of material experts 95% and 99.07% of media experts, e-student worksheet also has very practical criteria with an average result of 89.2% teacher response assessment, small groups 83.92%, and groups large 84.2%, the effectiveness level of e-student worksheet has moderate criteria with an average N-gain score of 0.56.

Keywords: E-Student Worksheet, Flip PDF Corporate, Discovey Learning, Sound Wave