

ABSTRACT

Hasrawati Husain, 2021 "Development of Merrill CDT-Based Graphic Design Digital Teaching Materials in Grade X Multimedia at SMK Negeri 1 Gorontalo". Master's Degree in Education Technology, Postgraduate Program, Universitas Negeri Gorontalo. The principal supervisor is Dr. Lukman AR. Laliyo, M.Pd., MM., and the co-supervisor is Drs. Muhammad Rifai Katili, M.Kom., Ph.D .

The problems experienced are due to the ineffective condition of online learning during the Covid-19 pandemic, and the teaching materials used are not following the students' current conditions.

This study aims to develop digital teaching modules in the Basic Graphic Design subject in the Multimedia Department that follow the needs that create an atmosphere of online learning during a pandemic or online learning to improve students' learning outcomes effectively. To find out whether or not the product is feasible, seen from students' responses and students' responses to teaching materials in the form of digital teaching modules using the 3D PageFlip Professional application in Graphic Design subject.

Research on teaching materials development is conducted using the learning design method by Component Display Theory (CDT), while the developing teaching materials follow the Research and Development (R&D) procedures. The design validation stage involves 4 validators, namely (two material expert validators and two media expert validators). The four subjects are involved in testing the feasibility of using good and correct Indonesian language rules. The design feasibility assessment using the validation sheet of the trial stage involved 13 students in the small-scale trial, 30 students in the large-scale trial, which the subject' teachers assessed to see the effectiveness of the digital teaching module.

The results show that media experts' validity is very feasible at 95,5%. In comparison, the validity from material experts is very feasible at 95%, and the teacher's practical test result is very practical at 90,2%. Student responses in small group trials are 97%, and student responses in large-scale trials are 97,6%. This shows that the digital teaching module using the 3D PageFlip Professional application produced in this study is considered effective in learning Basic Graphic Design.

Keywords: Development of Teaching Materials, 3D Page Flip Professional Graphic Design

