

ABSTRACT

Christian Natanael Hutagalung, Registration Number 2223321032, Developing Digital Worksheets In Writing Descriptive Text By Using Educaplay Application, A Thesis, English Education Program, Universitas Negeri Medan, 2026

This study aimed to develop an Educaplay-based digital worksheet for teaching descriptive text writing to eleventh-grade Multimedia students at SMK Negeri 1 Kabanjahe. This study was conducted because students experienced difficulties in writing descriptive texts, particularly in vocabulary mastery, grammatical accuracy, idea organization, and confidence. In addition, the learning process still relied on conventional worksheets with limited interactive and technology-based activities. This research employed the Design and Development Research (DDR) model adapted from Richey and Klein (2007), consisting of four stages: analysis, design, development, and evaluation. The data sources were one English teacher and 30 eleventh-grade Multimedia students of SMK Negeri 1 Kabanjahe. The data were collected through interviews, questionnaires, and document analysis using an interview guide and a students' needs analysis questionnaire. The collected data were analyzed descriptively to identify students' learning needs and guide the development of the instructional product. The final product was an Educaplay-based digital worksheet consisting of Word Search, Line Up, Quiz, and Fill in the Blanks activities that guided students through vocabulary building, sentence construction, text organization, and descriptive writing practice. The product was validated by expert validators in terms of linguistic aspects, learning process, product design, and content, obtaining an average validity score of 89.5%, categorized as Highly Valid. The findings indicated that the developed digital worksheet was appropriate for supporting descriptive text writing and had the potential to improve students' motivation, engagement, vocabulary mastery, grammatical accuracy, organization of ideas, and writing skills.

Keywords: Digital worksheets, Descriptive text, Educaplay application, Writing, Vocational high school.