

DEVELOPMENT OF AN E-LEARNING SYSTEM TO SUPPORT DISTANCE LEARNING IN JUNIOR HIGH SCHOOLS

Asrul Sani

Universitas Nasional, Jakarta, Indonesia

Email : asrulsani@civitas.unas.ac.id

Abstract

The COVID-19 pandemic has forced education systems around the world to adapt to unexpected conditions, including the implementation of distance learning (PJJ). Junior High Schools face special challenges in this transition due to limited infrastructure and resources. This research aims to develop an optimized e-learning system to support distance learning in junior high schools, with a focus on affordability, ease of use, and pedagogical effectiveness. This system development method involves needs analysis, design, implementation, and evaluation of the system with the active participation of teachers, students, and parents. The research results show that the e-learning system developed can increase student engagement, facilitate access to diverse and interactive learning materials, and support teachers in managing virtual classes. System evaluation was carried out through satisfaction surveys, analysis of student learning performance, and user feedback, which showed significant improvements in the effectiveness of distance learning. This research concludes that the development of e-learning systems tailored to the specific needs of junior high schools can be an effective solution to overcome the challenges of distance learning, while providing opportunities for pedagogical innovation in future education.

Keywords: e-learning, distance learning, junior high school, education system.

Introduction

Information and communication technology (ICT) has revolutionized various aspects of life, including education. This progress allows the development of e-learning systems that support learning and teaching processes at various levels of education. However, the COVID-19 pandemic that has hit the world has forced all schools around the world to accelerate the adoption of technology, especially in supporting distance learning (PJJ) as an alternative to face-to-face learning which cannot be implemented due to social restrictions.

Junior High School is one of the levels of education that experienced a significant impact from the sudden transition to PJJ. At this level, students are in a phase of academic and social development that requires a comprehensive and interactive learning approach. However, challenges such as limited access to technology, lack of appropriate learning materials, and teacher readiness in using e-learning platforms are obstacles to the effective implementation of PJJ.