

IMPLEMENTATION OF INFORMATION TECHNOLOGY IN EDUCATION MANAGEMENT: EFFECTIVENESS AND CHALLENGES IN THE DIGITAL ERA

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Abstract

The use of information technology in education has great potential to improve the quality of teaching and learning. However, there are various significant challenges that must be overcome to achieve this goal. This study identified six main challenges in implementing information technology in education: access and infrastructure gaps, unequal digital competencies, data security and privacy issues, implementation and maintenance costs, adaptation of curriculum and teaching methods, and resistance to change. Addressing these challenges requires special attention, including providing equitable access, intensive training, strong data security policies, adequate budget allocation, and systematic changes in curriculum and teaching methods. By implementing the right strategy and collaboration between stakeholders, information technology can play an optimal role in transforming education to be more adaptive, inclusive and effective.

Keywords: Information Technology, Education Management, Digital Era

INTRODUCTION

In this digital era, the development of information technology (IT) has had a significant impact on various sectors, including the education sector (Kovban, 2022). Education management which previously relied on traditional and conventional methods is now starting to switch to IT-based systems. This transformation aims to increase efficiency, accuracy and speed in managing various aspects of education. Starting from academic administration, student data management, to human resource management, information technology is present as a solution that is able to provide convenience and comfort in these various processes (Wahyuningsih, 2023).

Educational management is the process of helping students become better so that they have the necessary abilities to organize, supervise and organize activities. This is in accordance with what is meant to be called educational management according to Rivai, educational management is the process of managing various educational resources to achieve educational goals and purposes. These resources include training, educational facilities