

An Analysis of the Challenges in Learning Transformation in the Digital Era

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Abstract:

The transformation of learning in the digital era has led to fundamental shifts in educational paradigms, learning approaches, teacher roles, and the readiness of technological infrastructure and competencies across educational stakeholders. This study aims to analyze the key challenges faced during the digital learning transformation process in a senior high school. The focus is placed on core aspects such as perspectives, attitudes, and understandings of social change and its implications for learning due to the rapid development of digital media technologies. Using a qualitative method with a case study approach, data were collected through in-depth interviews, observations, and document analysis involving both teachers and students. The findings reveal several significant challenges: entrenched mindsets resistant to change, limited digital and media literacy, issues concerning values and ethics, uneven teacher competencies, and resistance to pedagogical innovation. Furthermore, the study identifies a disorientation or misalignment in educational practice, where a noticeable gap exists between how teachers deliver knowledge and the evolving learning needs of students. Additionally, digital technologies are still predominantly used for entertainment rather than for academic enhancement, by both students and teachers. This transformation also necessitates a redefinition of the teacher's role—not merely as facilitators of learning, but as mentors, inspirers, and role models. The study emphasizes the urgency of promoting a digital mindset, strengthening media and digital literacy, implementing effective teacher training policies, ensuring equitable access to technology, and adopting more flexible, participatory, and student-centered learning approaches. These findings contribute to a deeper understanding of current educational challenges and serve as a foundational reference for improving educational management toward a more adaptive, meaningful, and future-oriented learning system.

Keywords:

Analysis, transformation, learning, challenges, digital era.