

ABSTRAK

Pendidikan pada era digital semakin berkembang dengan cepat, khususnya dalam konteks pembelajaran berbasis blended learning. Blended learning mengintegrasikan pengalaman pembelajaran daring dan tatap muka untuk menciptakan lingkungan pembelajaran yang holistik. Pembelajaran berbasis blended learning telah menjadi pilihan utama dalam dunia pendidikan modern. Integrasi teknologi memungkinkan mahasiswa dan dosen untuk berinteraksi melalui platform digital. Tantangan muncul terkait bagaimana meningkatkan Sharing Culture di antara mahasiswa dan dosen. Penelitian ini bertujuan untuk mengeksplorasi potensi integrasi Knowledge Management System (KMS) dan teknik Knowledge Discovery in Database (KDD) dalam meningkatkan Sharing Culture pada proses pembelajaran berbasis blended learning di lingkungan universitas. Metode penelitian melibatkan analisis literatur, implementasi KMS, penerapan algoritma KDD, dan penggunaan metode C4.5 pada data aktivitas pembelajaran. Dataset yang diolah dalam penelitian ini bersumber dari bagian E-Learning UPI YPTK Padang, Dataset terdiri dari 120 mahasiswa yang menggunakan E-Learning. Hasil penelitian ini memberikan kontribusi positif dalam mengembangkan sistem pembelajaran yang lebih efektif dan berorientasi pada budaya berbagi pengetahuan di era blended learning. Penelitian Integrasi Knowledge Management System dan Knowledge Discovery in Database dapat menjadi acuan untuk memperkaya pemahaman tentang potensi integrasi teknologi dan konsep pembelajaran untuk mendukung evolusi pendidikan di era digital dan memiliki potensi besar untuk memperkuat Sharing Culture pada proses pembelajaran berbasis blended learning. Dengan meningkatkan aksesibilitas, pertukaran pengetahuan, dan kolaborasi, diharapkan hasil penelitian ini dapat memberikan kontribusi positif pada pengembangan sistem pembelajaran yang lebih efektif dan berorientasi pada budaya berbagi pengetahuan.

Kata kunci : *blendedlearning, platform, Sharing Culture, Knowledge Management System, Knowledge Discovery in Database*

ABSTRACT

Education in the digital era is developing rapidly, especially in the context of blended learning. Blended learning integrates online and face-to-face learning experiences to create a holistic learning environment. Blended learning-based learning has become the main choice in the world of modern education. Technology integration allows students and lecturers to interact via digital platforms. Challenges arise regarding how to increase Sharing Culture between students and lecturers. This research aims to explore the potential for integrating Knowledge Management Systems (KMS) and Knowledge Discovery in Database (KDD) techniques in improving Sharing Culture in blended learning-based learning processes in university environments. The research method involves literature analysis, KMS implementation, application of the KDD algorithm, and use of the C4.5 method on learning activity data. The dataset processed in this research comes from the E-Learning section of UPI YPTK Padang. The dataset consists of 120 students who use E-Learning. The results of this research provide a positive contribution in developing a learning system that is more effective and oriented towards a culture of knowledge sharing in the blended learning era. Research on the Integration of Knowledge Management Systems and Knowledge Discovery in Databases can be a reference to enrich understanding of the potential for integrating technology and learning concepts to support the evolution of education in the digital era and has great potential to strengthen Sharing Culture in blended learning-based learning processes. By increasing accessibility, knowledge exchange and collaboration, it is hoped that the results of this research can make a positive contribution to the development of a learning system that is more effective and oriented towards a culture of knowledge sharing.

Keywords: blendedlearning, platform, Sharing Culture, Knowledge Management System, Knowledge Discovery in Database