

ABSTRACT

The Indonesian Women Entrepreneurs Association (IWAPI) of Central Java Province faces challenges in knowledge management, including decentralized data storage, dependence on personal platforms, manual recording, and the potential loss of important information during management transitions. These conditions indicate the urgency of implementing a structured and integrated Knowledge Management System (KMS) to improve knowledge management processes. The research aims to design a KMS blueprint tailored to the organization's specific needs, using a 10-Step Knowledge Management Roadmap approach. The research stages include a comprehensive needs analysis through interviews, observations, and literature reviews. A SWOT analysis (Strengths, Weaknesses, Opportunities, Threats) is applied to align knowledge management strategies with the organization's business objectives.

The results of the KMS blueprint design include proposals for KM infrastructure, identification of existing knowledge assets, and the design of a knowledge management team. The integrated system design uses Unified Modeling Language (UML), including use case diagrams for system functionality, activity diagrams for workflows, and class diagrams for database structures. A high-fidelity prototype is used to facilitate visualization of the interface and functionality. Testing using the User Experience Questionnaire (UEQ) method yielded excellent ratings in the categories of appeal, clarity, efficiency, and accuracy, and good ratings for novelty. The overall research produced a KMS blueprint that serves as a strategic guide for organizations to develop an effective, structured, and centralized knowledge management system, enhancing operational efficiency and collaboration among members.

Keywords - Knowledge Management System, Knowledge Management Roadmap, IWAPI Central Java Province, Prototype, User Experience Questionnaire