

ABSTRACT

In the era of globalization and technological advancement, the internet has become a vital necessity in daily life, including in the operations of small and medium enterprises (SMEs). UD Rizky, an SME located in Deli Serdang, still manages inventory and financial reports manually, leading to data inaccuracy and inefficiency. This study aims to design and develop a web-based inventory and financial management system using the Rapid Application Development (RAD) method. RAD was chosen because it enables rapid prototyping, iterative development, and continuous user involvement throughout the system development process. Data collection was conducted through interviews, observations, and literature studies to thoroughly understand user needs. The system was tested using black-box testing to ensure that all functionalities operate as expected without focusing on the internal code. The results show that the implemented system significantly improves inventory accuracy, simplifies financial reporting, and reduces the risk of errors. Additionally, the system supports a more efficient and practical management process for business owners. It is expected that this study can serve as a reference for implementing information technology to enhance SME management quality, particularly in the building materials sector.

Keywords: SMEs, Rapid Application Development, Inventory Management, Financial Reporting