

ABSTRACT

Micro, Small and Medium Enterprises (MSMEs) play an important role in economic growth and employment in the informal sector. Warung Sehat Desa Sukamanah located in Sukamanah Village, Pangalengan, Bandung started a culinary initiative using local ingredients such as milk and potatoes with the support of the Village Community Empowerment Program (P2MD) 2023. This research identifies the problem of Warung Sehat Desa Sukamanah in managing and recording asset loans and purchases that are carried out manually, resulting in the risk of losing data. As a solution, a barcode-based asset borrowing and recording system was designed to improve efficiency. This application was built using PHP programming language, MySQL database, and various diagrams such as ERD, Use Case, Class, Sequence, and Activity. The system development follows the waterfall-type System Development Life Cycle (SDLC) method and is tested using the Black Box Testing method. The test results show that this application is ready to be implemented properly.

Keywords: MSME, loan, asset, application, barcode