

ABSTRACT

Serba Usaha Jaya Bersama Cooperative is a cooperative that provides loan funds or money services that are billed every week based on the agreement between the cooperative and the customer. The customer shall repay the loan after the specified time along with its interest. Business processes that are now running at the Serba Usaha Jaya Bersama Cooperative still done manually either in the data recording loans, installment data management, customer data management and customer searches. Therefore, this final project aims to provide a solution to these problems by building a savings and loan transactions data management applications. Web-based applications created using programming language PHP with codeigniter framework and MySQL database. This final project used SDLC (System Development Life Cycle) method by the waterfall model. The representation on running and proposed business processes using flowmap, and requirements system analysis using UML method. The database tables design using ERD (Entity Relationship Diagram). This application can handle customer data management, loan management, installment management, provide SMS gateway features and Google Maps API.

Keywords: ERD, Google Maps API, MySQL, PHP, SMS gateway