

ABSTRACT

D'Seira Homemade is an UMKM (Micro, Small and Medium Enterprise) engaged in the culinary field. Sales transactions in this business are based on requests from customers. After a request from the customer, the product will be processed and then the customer can take the product to the production house or can be sent via a delivery service. Payments from customers can be made in cash or bank transfer. The process of recording and managing finances for each transaction is not yet integrated with one another which can cause errors in making calculations. To overcome these problems, a web-based application was built for online sales using payment gateway. This application was built using object-oriented methods, namely Unified Modeling Language (UML), Entity Relationship Diagram (ERD), and database storage using My Structure Query Language (MySQL). The application development method used is the Software Development Life Cycle (SDLC) with the waterfall model. The program code used is CodeIgniter 4 with the PHP programming language. The application is tested using the black box testing method. It can be concluded that web-based applications for online sales using payment gateway can help companies to produce good financial reports based on transaction management whose functionality can make sales transactions, record and make payments, make general journals, ledgers, and sales reports.

Keywords: sales, payment gateway, web-based application