Abstract

The development of Web E-Commerce in information and trade media applications for vegetable farmers in Nagari Alahan Panjang, Solok Regency is a system designed for the community, especially farmers, to market their agricultural commodities directly to consumers without having to go through a long distribution chain. The methodology used in working on e-commerce web applications uses the SDLC (System Development Life Cycle) method.

In this report, an e-commerce web application is designed which contains 3 important parts, namely the admin to manage data, farmers who sell their agricultural products and consumers who buy agricultural products. This web application uses the PHP programming language with the Laravel framework to build an e-commerce Web.

This e-commerce web application has been tested by conducting blackbox testing and UAT (User Acceptance Testing) with the results of 20 respondents resulting in a value of 82.6% of the application is easy to learn by the user, 82.3% of the e-commerce web application has a good speed level, and 83 % level of user satisfaction with e-commerce web applications. The test results show that the e-commerce web application built is in accordance with the system design and user requirements.

Keyword: e-commerce website, agriculture, SDLC method