ABSTRACT

E-Commerce Application Development On Sentracom

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Sentracom store is a store that specializes in the sale of modems and other electronic devices. Development of e-commerce application refers to a manual system that is running on Sentracom Stores. The system in place here is a sales system that requires the buyer directly come to the shop. In addition, the accounting system for the manufacture of recapitulation reports sales are still done manually so that the sales report has not been well detailed.

In the process of development of e-commerce sites are using a waterfall development techniques. While the system data stream method use structure method, in which its tolls are the DFD (Data Flow Diagram) to depict functional model and ERD (Entity Relationship Diagram) to illustrate data model. Process payment transactions can be made via bank transfer or paypal account, in terms of security, this aplikasdi implement the MD5 algorithm, while the objective to be achieved from the development of e-commerce system is easier for buyers to make purchases without having to come directly to the Store Sentracom and facilitate the Sentracom in managing goods. In addition, to facilitate in making the sales summary report.

After going through the stages in accordance with the selected development method hence in implementing e-commerce system has a follow-up examination system which consist of alpha testing where this test using black box testing method that focuses on functional requirements and beta testing software that is field-testing by providing questionnaires to employees in the store Sentracom as administrators and the general public as users of the web that contain the questions refer to the final destination that is easier for consumers to obtain information about the products they want and can make transactions from anywhere online, and can accelerate the performance of parties in the Store managing goods data and sales reports. After alpha and beta testing, can be deduced that the functional e-commerce systems are able to produce the expected output and is user friendly.

Keyword : *e-commerce, md5, waterfall*