ABSTRACT

DEVELOPMENT APPLICATIONS E-COMMERCE

AT PT. K-LINK INDONESIA

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PT. K-Link Indonesia is one company that manufactures health products. One of the suppliers of products of PT. K-Link Indonesia is a Stockist K-link Cimareme located in Padalarang Bandung. E-commerce application development refers to the manual system that is running. Manual system currently running a sale which is only based on K-Link distributors who come directly to the stockists. In addition, Stockist K-Link Cimareme have constraints, ranging from the promotion process, transactions and in preparing reports sales are still done manually so that the report has not been selling well detailed.

In the process of development of e-commerce application uses data analysis techniques using the waterfall software development. For the method of data flow systems using structured methods is to use DFD (Data Flow Diagram) in depicting functional model and ERD (Entity Relationship Diagram) to illustrate data model. Builder software system is PHP with MySQL 5.0 database server. To be able to use Paypal payment or bank account transfer BCA with data security applications using IP-Dedicated and uses SSL (Secure Socket Layer).

After going through the stages of development in accordance with the method chosen is in the implementation of e-commerce system has the follow-up testing of the system consisting of alpha testing where this test using black box testing method that focuses on the functional requirements of software and beta testing is field testing by providing questionnaires to employees Stockist K-Link Cimareme as admin and distributor of K-Link as a web user that contains questions referring to the final destination. After alpha and beta testing, it can be concluded that functional systems can already produce the expected output, with the look of the website is quite attractive and provide convenience to the user in processing data.

Keywords: E-commerce, DFD, waterfall method.