ABSTRACT

DEVELOPING E-COMMERCE APPLICATION AT JELLYBOX BANDUNG

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In line with developments in technology, companies are increasingly driven to use technology as a weapon to stay afloat and are superior to competing. Jellybox is a home industry that is engaged in the sale of T-shirts, shirts, pants and jackets. E-commerce application development refers to the manual system that is running. Manual system which runs currently in the form of sales is based only on consumers who come directly to the store. In addition, jellybox have several problems, ranging from the promotion process and transactions and in preparing reports sales are still done manually so that the report has not been selling well detailed.

In the development process of e-commerce application uses data analysis techniques and methods of software development is the waterfall, while modeling the data using a structured method that is an Entity Relationship Diagram (ERD) in which to describe data models and Data Flow Diagrams (DFD) to describe the functional model.

Builder software system is PHP with MySQL 5.0 database server. Transactions that occur can use payments via PayPal, bank transfers between accounts and Cash on Delivery (COD) which specifically for customer domiciled in Bandung and the applications data security using IP-Dedicated and SSL (Secure Socket Layer).

After successfully going through the stages corresponding to the chosen development method hence in implementing e-commerce system has the follow-up testing of the system consisting of alpha testing and beta testing. Based on the results of testing that has been done can be concluded that the overall system runs as expected.

Key words : *E-commerce*, DFD, PHP,MySQL, *Waterfall Method*.