ABSTRACT

DEVELOPMENT APPLICATION BASED E-COMMERCE WEBSITE AT LINEN & LACE
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Linen & Lace is a business entity which is engaged in selling bed cover and Sprei. Development of e-commerce applications are based on manual systems that are running. Manual system which runs currently the only form of sales based on consumers who come directly to the store. In addition, the distributions Linen & Lace also has disadvantages, ranging from the promotion process and transactions and in preparing reports sales are still done manually so that the sales report has not been well detailed.

In the development process of e-commerce application used a data analysis technique using the waterfall software development. For the method of data flow systems using structured methods that use DFD (Data Flow Diagram) in depicting functional model and ERD (Entity Relationship Diagram) to illustrate data model. System builder software is PHP with a MySQL 5.0 database server. For payment of transactions that occur may be through paypal or bank transfer account data security applications by using IP-Dedicated and uses SSL (Secure Socket Layer). After some phases in accordance with the development method, the implementation of e-commerce system needed an advanced testing system which was consisted of the alpha and beta testing. The alpha testing system used the testing method of the black box which focused on the functional requirement of software and the beta testing was a field testing by giving questionnaire to the officials of Linen & Lace as admin and to public society as a consumer. After the alpha and beta testing, can be deduced that the functional system can already generate the expected output, with a view that is quite interesting websites and provide convenience to the user in processing data.

Keyword : *E-commerce,* Linen & Lace, BedCover, DFD, ERD , Metode *waterfall.*