ABSTRACT

DEVELOP E-COMMERCE APPLICATION AT MOUNTAIN STORE

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Mountain Store or Snowmount Store is a family owned company engaged in the sale of outdoot equipment. Established in 2005, located in Caringin street I, Bandung. This store sells a variety of outdoor products such as bags, shoes and slippers. Development of e-commerce aplications are based on manual system that are run.

In the process of development of e-commerce application uses data analysis techniques using the waterfall software development. For the system data stream method use structure method that is using DFD (Data Flow Diagram) in depicting functional model and ERD (Entity Relationship Diagram) to illustrate data model. System builder software is PHP with MySQL 5.0 database server. For payments from transactions that occur can be via paypal or bank transfer with data security applications using IP-Dedicated and use SSL (Secure Socket Layer).

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 questionnaire to the employee in Distro Mars as the administrator and the general public as users of the web that contain the questions refer to final destination. After 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.

Keywords : *E-commerce*, DFD, *Paypal*, *waterfall*.