ABSTRACT

DEVELOPMENT E-COMMERCE *ON* UNIT PETERNAKAN DARUL FALLAH

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Unit Peternakan Darul Fallah is a business unit that is under Pesantren Pertanian Darul Fallah that moved in the sale produced by good livestock breeding that has been processed and that was not yet processed. The development of the application e-commerce this referred in the manual system that was going. The proceeding manual system at this time took the form of his sale that only was based on the consumer who came directly to this shop. Moreover Unit Peternakan Darul Fallah had the hindrance in the process of the promotion and the transaction that still were carried out manually so as more ineffective.

In the process of the development of the application e-commerce this used the analysis technique of the data used the development method of software in a waterfall manner. For the method of data flow systems using structured methods of use DFD (Data Flow Diagram) In depicting the functional model and ERD (Entity Relationship Diagram) to depict the data model. The founder's software of the system was PHP with the database server MySQL. For payment from the transaction that happened could through PayPal or the transfer between the account of the bank with the security of the application data used IP-Dedicated and used 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 the system that consisted of the testing alpha, where this testing used the testing method black box that focussed on the functional condition for software and beta testing is field testing by giving questionnaires toemployees in Unit Peternakan Darul Fallah as the administrator and the public's community as the user web that contained questions referred to the destiny. After being carried out by the testing alpha and betair could be attracted by the conclusion that functionally the system could have produced output that was hoped for, with the look of the website that pulled and gave the ease to the user in processing the data.

Keyword: E-commerce, DFD, Waterfall method.