ABSTRACT

DEVELOPMENT E-COMMERCE APPLICATIONS
IN STORES YULIANA HOUSEHOLD CERAMICS

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Yuliana Household Ceramics Stores is one of a small company engaged in the sale of ceramic products and glass. Yuliana Household Ceramics Shop sales system in at the moment still using a simple computerized system (Microsoft Excel) from the data processing activity (the product record, process sales data, stock processing products, processing of consumer data) and report the sales transaction so there mistakes (invalid) in processing data and the data redundancy (repetition of data). If consumers want to know detailed product information, find out the latest product information and make purchases, the consumer must come directly to the store. Consumers can only make purchases during store hours. This limits the consumer to make purchases.

E-commerce applications Yuliana Household Ceramics Stores are built using the waterfall software paradigm, the modeling of structured Flowmap, context diagram, and DFD (Data Flow Diagram) as a tool to describe the system model, and using the data dictionary and ERD (entity Relationship Diagram) in database design. Tools used consists of PHP as a programming language, MySQL as the database, Dreamweaver MX 2004 as an editor and XAMPP as a web server.

Based on the results of blackbox testing using a test consisting of alpha and beta testing, the testing can be concluded that the development of e-commerce applications Yuliana Household Ceramics makes it easy for consumers to place an order, allows consumers to know detailed information about the product being sold, allowing the store clerk in processing the data and create reports.

Keywords: E-commerce, ceramics, waterfall, Flowmap, DFD, ERD