ABSTRACT

DEVELOPMENT OF MERDEKA HANDPHONE SQUARE E-COMMERCE APPLICATION

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Merdeka Handphone Square is a shopping complex that concern sales of cloth, bag, shoes, and accessories. The e-commerce website development is based on a manual system. The present system based on sale of consumer that came to the shops. Besides that, the management of report sales still doing on based manual system, so the report is not structured well.

The descriptive research method was applied in the development process of the building of e-commerce website was used as the data analysis technique the software development method was used waterfall technique. For the method of system data flow used the Data Flow Diagram (DFD) to describe the functional model and the Entity Relationship Diagram (ERD) to describe data model. For the payment, this website use paypal or transfer of bank account. The objective of building this e-commerce website was to make easy the customer for buying product without came to the shops and make easy to do management product. Besides that, to make easy the management of report sales

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 Merdeka Handphone Square as admin and to public society as a consumer. After the alpha and beta testing, it could produce output and the e-commerce it was easily used, with attractive appearance, and it could accelerate data management and more easily to making report of sale.

Keyword : e-commrece, DFD, waterfall method.