ABSTRACK

DEVELOPMENT OF E-COMMERCE APPLICATION AT ISTANA HELMET BANDUNG STORE

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Istana Helmet Bandung is a store that is enganged in the sale of a variety of helmet. Istana Helmet Store's location is in number 212 of astana helmet street bandung. Its marketing and sales are still very limited so customers must come to store directly to know offered product. Of course that thing will take customers time especially customers who are out of town so its difficult to get offered specific product rapidly.

In its development, adopted waterfall model of development. Meanwhile, system data flow method adopts a structured method that using to represent that using DFD (Data Flow Diagram) to represent functional model and ERD (Entity Relationship Diagram) to ilusstrate data model. Whereas the objective we wish to achieve of this e-commerce system development is to expand the product marketing such that the customers coming from out of town can also go shopping by online. In addition, the objective is to facilitate in processing the data of products and transactions happening by computerization in the reporting.

After having through stages according to the selected development method, so in the implementing of this e-commerce system we have a system testing follow-up consisting of the alpha testing where this testing uses a black box testing method focusing on the software functional requirements and beta testing, a field testing by distributing some questionnaires, to the employees of Istana Helmet store acted as administrator and the general public acted as web users, containing some questions to the ultimate goal, facilitating the customers to get some information on the products they want as well as they can conduct several transactions from anywhere online, and facilitating in processing the data of items, transactions, and sale report. After having carried out the alpha-and beta testing, the conclusion of this functionally e-commerce application could yielded an output that is expected and user-friendly.

***Keyword**: E-commerce, Waterfall, DFD, ERD.*