ABSTRACT

Techno Guard is one of the companies that provide services in the field of washing clothes. Increasement the number of customers have impact on enhancement service to customers, but the support services that have been offered are still very low. The support services related to data processing orders, payments, and finance in the laundry Techno Guard. The development of this system aims to find solutions to improve the accuracy and speed of data processing, as well as ease in controlling all activities to support the work process in running the laundry business.

Laundry Operations Information System is created by using waterfall methods. Waterfall method have several steps of the research, that consists of preliminary stage phase, analysis and design phase, implementation phase, analysis phase and evaluation of existing business processes to analyze the result. With analyzing the existing business process first, it used to find the necessary requirements in the development of system. The system design is made in the form of Business Process Modeling Notation (BPMN) and UML diagrams. After the system design is the coding and testing, which for testing are performed using scenarios User Acceptance Testing (UAT) that have to be tested by each user. The development of system was made by using Code Igniter framework programming language, which is created in the form of a website.

The system that has been designed in this study can serve laundry service transactions include monitoring the performance by the processing time of laundry. In addition, these systems can also develop financial report that can be accessed quickly and accurately. The result of this system is expected to make the process laundry can be done effectively and efficiently, so that will make it easy for the customer and the laundry business.

Keywords: laundry, transactions, finance, inventory, information systems