ABSTRACT

The XYZ Social Services Agency is an implementing body responsible for social affairs in the government sector. One of the departments within XYZ Agency is the Department of Protection and Social Security (Linjamsos). The Linjamsos department has the task of addressing the logistical aid needs for disaster-affected victims in districts and cities, as well as providing assistance to other district and city Social Services Agencies. Currently, data processing at the XYZ Social Services Agency warehouse is still computerized, and sometimes there is no record of the goods. As a result, manual searching for data and the actual status of each item is required. Furthermore, the absence of expiration dates and the lack of expiration reminder features for each item lead to the occurrence of expired goods in the warehouse before they are distributed to disaster victims.

In this Final Project design, the author utilizes the Waterfall method and ABC Classification. The Waterfall method is used for the development of the system flow, while the ABC Classification method is employed to generate three categories for product classification, which will be used to organize the layout of goods in the XYZ Social Services Agency warehouse. Additionally, there are also tools used to test the system in this Final Project, namely Black Box Testing and User Acceptance Testing (UAT).

The result of this Final Project is an information system for the XYZ Social Services Agency warehouse that helps in structured data management. It provides reports on stock inventory based on the expiration dates of each item and organizes product storage according to the results of the ABC classification. The results of the user testing indicate that the system has met user expectations by utilizing the designed information system.

Keywords: [XYZ Social Services Agency, Warehouse Information System, Waterfall, ABC Classification].