Universiti Teknologi MARA

Inventory Management System for Yew Garden Nursery

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ABSTRACT

Inventory Management System for Yew Garden Nursery is a project that was developed based on case studies that have been done at Yew Garden Nursery. Currently they are using manual process to manage their business activities with the customer. The problems involved with the current process such as the preparation of stock list, which require three days to be completed. Then, there are no current records of stocks in the nursery. The staffs need to calculate the products availability each time customer comes to buy plants. The stock list record appeared to be messy and untidy. The target users for the system are administrator, staff and manager. The theory proposed in this system development was economic order quantity (EOQ). Economic order quantity theory proposed that the order of stocks made based on the quantity, not based on fixed time. The development model used for Inventory Management System for Yew Garden Nursery is adapted waterfall model. The project implements adapted waterfall model as the completion time is accurate and getting the requirement is easier. Besides that, system testing plan and evaluation from user and experts also has been prepared as a method to improve the functionality, usability and interface design of the system. The system has undergoes testing by three expert and thirty user respondents. The result of testing from experts focused on the function of the system for future enhancements. The result from user evaluation shows that highest mean on construct of consistency of the system. Hopefuly, the Inventory Management System for Yew Garden Nursery will provide the best solution to manage the problem faced by Yew Garden Nursery.

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