

ABSTRACT

Kerupuk HNN is a home industry that produces crackers and located in Cipagalo, Bandung. Kerupuk HNN uses raw materials such as tapioca, vegetable oil and garlics as the main spices. Inventory Management of raw materials becomes important to keep the producing goods for business. If the procurement is too much, it causes damage to raw materials. But if the procurement is too little, it causes stockout of raw materials and will take effect of production. There will be discount quantity given by the supplier so it needs to calculate the optimum purchases. EOQ (Economic Order Quantity) is a method of purchasing raw materials. If EOQ without discount, the price of raw materials will be constant, the EOQ will calculate the discount factor which given by the the supplier. This discount will take effect of the result of EOQ, frequency of order and total minimum cost.

Thus, this application will try to resolve these problems, such as calculating EOQ with discount, frequency of order, total minimum cost and giving the accounting records.

Design of application starts by collecting data of company, such as interview and observation. This application is made with framework codeigniter and waterfall method. Development phase is just until the testing of application. This application is made in php and database MySQL. The result of this final project is helping company to decide the economic quantity of order with discount which given by the supplier and determine the optimum total cost and giving the general entries, general ledger and inventory statement.

Keywords: Inventory, EOQ with discount, CodeIgniter, MySQL, Web-based application