

ABSTRACT

Arumi cake is a cake shop located in the area of Rancaekek, which was founded by PKK mothers in the Rancaekek area, which attracts people to buy cakes. The production process occurs because there are cake orders by customers, before making the cake production process. The production department will determine and calculate costs such as raw material costs, labor costs, supporting material costs, and factory overhead. The cake is produced when there is an order entered. The problems experienced in the production section are the first in the production process is not recorded raw materials used so it can not know the amount of raw materials available, the second problem is the production schedule which can not determine when the cake production time, so customers can not know when the cake done. From the problems above, this end project will create a web-based application with the title "Arumi Cake Web Based Production Scheduling Application" which can help schedule production and calculate the costs contained in the production process. This application was built using the System Development Life Cycle (SDLC) method, then in the application system design process using United Modeling Language (UML), for database design using Entity Relationship Diagrams (ERD), and the programming language used to make this application is PHP and Codeigniter Framework and using MySQL for the database. Testing of this application uses the black box testing method and the process uses the waterfall method. This application is expected to help the owner and the production department

Keywords: Production, Scheduling, PHP, Codeigniter, Black Box Testing