

ABSTRACT

Kerupuk Doa Ibu is a home industry that produces crackers Home Industry Kerupuk Doa Ibu never keep records for each purchase of materials and yet produced its accounting records. Home Industry Kerupuk Doa Ibu dont have any notes for the purchasing of the raw material. This leads to excess or shortage of materials. One way to control the supply of raw material is by the method Material Requirements Planning (MP). MRP is a method that aims to improve the productivity of the company by way of scheduling the production process and predict how much will be in production. This app has functionality calculating production targets with sales, schedule the production process (MPS), draw up a list of needs of materials (BOM), compile Material Requirements Planning (MRP), produce documents purchase order, serving the accounting records in the form of general journal and report expenditure orders as well as the description of the level of production and sales in graphical form. Development of the software using a structured model consisting of Data Flow Diagrams (DFD), Entity Relationship Diagram (ERD), data dictionary, and process specifications. Implementation of a web-based application is created using the programming language PHP and MySQL database. Testing was conducted by Blackbox Testing the functionality of the application and the results of testing the application has been as expected.

Keywords: Inventory Management, MRP, MPS, Sales Value