Material Requirement Model of Coconut Flour Production and Performance Testing based Multi User in North Sulawesi

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Authors:
Harson Kapoh, Edwin Stephanus Lumunon, Olga Melo

Abstract

Production of coconut flour is often hampered due to the lack of production control and inventory control are well on coconut flour industry that often cannot cover the export demand. For that coconut flour industry in North Sulawesi require tools in running the business, one of which is a computer-based system. The problem in this research is how to make the material requirement model of coconut flour production based multi-user to control the coconut flour industrial centers in North Sulawesi and how to test the model. The generated in this study have been through a survey in the industrial district of coconut flour to get the data that will be used analysis, so that a complete picture processing system coconut flour and can describe the problem also the solution clearly in order to get the system needs a model along the test by using a test black box the program and test performance using respondents. This above is justified because there is a relationship between respondents who selected models of applications that have been developed. The collected data is then analyzed and designed using some design method that is data flow diagrams, use case diagram, entity relationship diagrams and material requirements planning methods. The results of the testing indicate all functions on
the system works well and test the respondent for 30 and 60 minutes resulting in a 60% and
63% of respondents were taken as many as 30 answered easily using the model application.

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Index Terms

Computer Science  Information Sciences

Keywords

Model, requirement, coconut flour, multi-user, testing