

ABSTRACT

Amanda Brownies is a family company engaged in the field of food. Amanda Brownies has 65 outlets and branches in seven areas in Indonesia. The main activity undertaken by Amanda Brownies is producing brownies. There are several activities that must be considered before producing brownies, which is the calculation of raw materials used for the production process called estimation, preparation of raw materials needed during the production process, as well as data collection of brownies that have been produced. These activities make the Production Division interconnected with the Sales, Warehouse and Purchase Divisions. However, Amanda Brownies currently does not use a system that integrates inter-related divisions so that it can cause high levels of error in managing data and the length of data exchange between divisions.

Based on these problems it is necessary to implement the ERP system. The method used to apply ERP system is Rapid Application Development method which is a method that produces prototype with a short time. The RAD method has three phases, namely the Requirement Planning phase, the Phase Design Workshop and the Implementation phase.

The result of this research is the design of Manufacturing module by using Odoo 8.0 which is integrated with Warehouse Management module, Purchase Management and Sales Management at Amanda Brownies.

The manufacturing module design is done by customizing and configuring Odoo 8.0. Customization is done by removing some fields and tabs that are not needed by Amanda Brownies in running its activities. While the configuration is done by modifying the system in accordance with the needs of the company.

Keywords: ERP, Manufacturing, Odoo, RAD