

ABSTRACT

Calculation And Monitoring Food Ingredients Supply Application an application used to perform calculation and monitoring material inventory at Waroeng District. Currently, the material inventory data and transaction data is managed using Microsoft Excel. Manage data using Microsoft Excel often cause problems related to transaction data and supplies have not been well-organized, difficult in search of information, collecting data, and the data inaccuracies. To support the management of transaction data and supplies needed an-app to generate information and report transactions and supplies. The research method applied is the System Development Life Cycle (SDLC) using the Waterfall model with the stages of communication, planning, modeling, construction and material supply deployment. Meanwhile calculation method used linear regression. To test the functionality of this application using black box testing methods. The result of the construction of this application, employees can view transaction data and data materials requirements, also can manage data transactions and data materials requirements to be used as information and reports through the application of the calculation and monitoring the provision of this material .

Keywords: System Development Life Cycle, Waterfall, Black Box Testing, Application, Linear regression