ABSTRACT

SOFTWARE FOR LABORATORY TESTING SAMPLE SERVICES IN LIVESTOCK PRODUCT QUALITY TESTING CENTER (BPMPP)

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One of software application that can support data processing systems and speed up in service to users of the system is software that utilizes web based technology. Livestock Product Quality Testing Center (BPMPP) were given the task of carrying out inspection and testing of livestock product quality. The software which is in BPMPP holds an important role in running the system of sample testing service, but until now BPMPP stating that the software is still relatively simple, less effective and efficient in generating output data and less helpfull in the overall process of sample testing service system.

Method of system development that is used is waterfall method. This method is a sequence of activities cariied out in developing the system starts from the determination of problems, needs analysis, design, implementation, system testing, and maintenance. The design process of software sample testing service using usecase diagrams, activity diagrams, state diagrams, sequence diagrams, collaboration diagrams and class diagrams. Design of program uses PHP programming language with MySQL database.

From the results of research conducted to developed this software, then all forms of sample testing services activity from the process of testing contracts, customer payments, submission of samples, testing demand, and output information from the report, the test results are expected to be better, right and fast so it can improve service to consumers.

Keywords : System, waterfall, sample service.