ABSTRACT

The advancement of technology in the manufacturing sector make PT HANZ CBA *should change the production process goods to be computerized. During the production process includes weighing the raw material for the production is still done manually by using analog scales, as well as the demand for shop orders will be executed on the production is still in the documentation and recorded manually so prone to error. Supervisor difficult to monitor activities in the field of production due to a fairly wide area coverage so that errors in the production area is not quickly addressed. The solution to these problems is to design a manufacturing support system that is already computerized. The system to be designed with Rational Unified Process method is a WEIGHING CONTROL OF RAW MATERIALS AND MONITORING SYSTEM IN WEIGHING AND PRODUCTION UNIT PT* HANZ CBA*. This client-server based system is built using the Java programming language and MySQL database. With this system is expected to help the entire production process in the field, which can improve the accuracy of the weighing of materials production and assist the supervisor in monitoring the activities of production. After the step of designing and developing the program and then will be testing using blackbox testing method that is in the testing phase input and output as well as conditions in running the program functionality. After testing of the application, the authors conclude that the developed system can handle data production of shop order and integrate all the production function of supervisor, weighing operator, mixing operator and quality control to be the series of production process in weighing and production unit PT* HANZ CBA*.*

Keywords: Manufacturing Support System, Shop Order, Monitoring