

ABSTRACT

CV.Arwana Tech is a corporation producing finished goods at the same time as becoming supplier. Product yielded by corporation in the form of material of making of spare part machines, ornament fenced, tralis, kanopy, bad etcetera. In this time corporation serve 4 fruit of unlucky residing in shop, Semarang, Madiun, and Solo. With unlucky residing in head office and a warehouse and plant residing in Klaten initially don't make a constraint, however after progressively chain broadness of marketing of faced by problems is corporation starting growth.

One of supply chain activities at CV. Arwana Tech are inventory control and production planning activities. The process of inventory control that deploy now still in manual, the stock needs to clarification almost each time there are an order comes. It makes the respond of the lack of resources often comes late, that make the consumer have to wait for the orders to produced. In production planning, the data that used for planning is historical data from each part of supply chain that makes the bullwhip effect. Therefore, it needs a system that can control the stock in real time and also can provide data actual demand for used in production planning.

Faced by Problems is corporation in this time is production planning and observation of inventory. At this research of writer use method Continues Review Policy finish problem of production planning, while for observation of inventory available for giving complete information hit stock in every component supply chain at this research apply method Retailer Supplier Partnership (RSP) Quick Response. With the concept expected by problems which faced corporation of can be finished.

The system designed by analyzing identification system needs that describe in modeling system, basis data design, structure menu design, and interface design. Next, the design implemented in programming language then testing the functionality.

Based on the result of this system design, the conclusion is this web based *Inventory Management Information System* use MySQL database and PHP language programming and it has tested so that can works as a support tools for make the supply chain optimal.

Keywords : Information System, CV. Arwana Tech