

## ABSTRACT

PT. Surya Pratama Buana is the only Authorized of PT. Astra Nissan Diesel Indonesia in Bandar Lampung. Beside as a workshop for Astra Nissan Diesel production's car, this Authorized also supply Astra Nissan Diesel Genuine Parts for outlets. Until now, PT. Surya Pratama Buana must check one by one if want to know about outlet's monthly requirement and then send it by delivery service. PT. Surya Pratama Buana doesn't have any information system that gift an information about inventory and data processing about spare part's plot (spare part in and spare part out) is still use manual system. Beside that, in a month, although outlet and Authorized can do request spare part in many times because spare part's highly plot. Because of that reasons, PT. Surya Pratama Buana needs a inventory program that can determine inventory that PT. Surya Pratama Buana must hold to cover all demands and also an inventory system that can support all of inventory management's activities.

In design this information system, there are few step that must to do. First step is determine the problems and the objectives. Second step is analysis existing system, then make inventory program which is needed to determine system's needed. Third step is designing the system. Fourth step is testing the system and analysis output from designing the system. And the last is conclusion and suggestion.

From the research, we can get the conclusion that inventory program in PT. Surya Pratama Buana is using ABC method to classify spare part with high value and then calculation with P method to determine reorder point and safety stock. And also inventory management information system at PT. Surya Pratama Buana that can support all of inventory management's activities has been created successfully. This system can connected PT. Surya Pratama Buana with all outlet and simplify outlet to make outlet's monthly requirement and also to know about PT. Surya Pratama Buana's inventory. This system also simplify workshop division to make spare part out request and emergency request and also to make a bill.

Keyword : Inventory management, Information system.