

## **ABSTRACT**

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PT. Pintu Sukses Lestari (PSL) is a company that produces sills, doors, and windows. PSL do list for every time of production, but the PSL have obstacles in terms of recording and production schedule that is too long and often a mistake, to handle the problem of the company then made this final project with the first stage of doing data collection by doing Interview and read books according to the material production and financial recording and continued with the system design to the solution of the existing problems by creating a system model that is flowchart based on existing business processes within the PSL and the proposed design. In this final project there are also use cases and class diagrams that will make the modeling of the system to be created. After the use case has been made, the next step is to create a sequence diagram that describes the structure of the system that will be created in accordance with the design which will describe the controller and model in the program after it is done translation from the model design into the program code which later becomes the application using HTML and CSS and assisted by AdminLTE that refers to the bootstrap framework for application display, while for the process of using PHP with the framework code igniter as a bridge to the database. As for the data base using SQL and after the design is completed it is done black box testing against the program that has been made to ensure there are no errors in the program and the results in accordance with the needs, so that later there will be applications that can manage goods orders transactions that can be simultaneously Make production schedule shortly after the customer order using the method of manufacture resource planning, after the final project is finished then there will be application that can make the production schedule without the need to calculate the manual and does not require long time, so the company can make production schedule without longer time with manual manufacture.

*Keywords: Sales; production; scheduling; mrp; mps*