

ABSTRACT

SCHEDULING TO MINIMIZE RECEIVED DATE WITH LOAD ORIENTED MANUFACTURING CONTROL METHOD (Case Study in CV Wijaya Lesmana Sejahtera)

Production activities are important in the manufacturing industry. The thing to be achieved in production activities is customer satisfaction in using products produced by a company. Accuracy in the fulfillment of the time of receipt of orders promised by the company and the quality of products as expected, and the cost charged is considered reasonable elements of satisfaction that must be met by the company to its customers CV Wijaya Lesmana Sejahtera is a manufacturing company engaged in the manufacture of products Furniture such as, cabinets, tables, chairs, backdrop TV, and others. Based on data from the company in the year of 2016, the company only able to do 7 projects (63,64%) from 11 projects handled, while 4 project (36,36% have delay of completion. This research aims to determine the time of receipt of order with Load Oriented method Manufacturing Control (LOMC) where the calculation is based on the available capacity at each work station, processing time at each work station and production flow on the production floor From the Spk data, the order completion time for the food cabinet (1) is 18 days, 1) is 14 days, the wardrobe (2) is 17 days, the dresser (2) is 25 days, and the wardrobe (3) is 27 days. At the LOMC method, the time to finish the order for the food cabinet (1) is 15 (1) is 14 days, the food cabinet (2) is 12 days, the closet (2) is 5 days and the food cupboard (3) is 2 days. This shows the calculation with the method LOMC is more accurate than the actual method.

Keywords: order acceptance time, capacity available, Load Oriented Manufacturing Control, processing time.