ABSTRACT

Production scheduling is an important factor for implementation of production process. A large amount of idle time and queuing process on using heat exchanger plate in kitchen unit becomes a problem in production scheduling at PT Sinar Sosro-Tambun Site. Solutions for these problems are creating production and detailed daily work scheduling. For production scheduling, critical ratio method considered to be the most suitable to company characteristics that demand and delivery must be done based on daily basis. The value of critical ratio derived by ratio of supply product and demand product. Production scheduling process with the critical ratio method constructs a production schedule from the lowest to the highest ratio based on critical values and adjusts to production lines that are used. Effectiveness of production scheduling known from value of production machine utilization that derived by ratio of actual usage time and availability of capacity time. Scheduling model develops in Sosro Production Scheduling Information Systems program version 1.0 (JPS SI 1.0) by using php programming. After production scheduling, machine utilization value will be decrease which means effectiveness of desired production scheduling can be achieved. Implementing scheduling process can also reduce idle time on production process. Scheduling model would be better implemented if integrated to inventory scheduling model and consider to engine damage condition.

Keyword : idle time, critical ratio, value of production