

ABSTRACT

In rapidly industrial developing and industrial competition tightly the following ways to stabilize it are controlling the quality and increasing service to consumer. Therefore, in this case is needed production and raw material planning which support production process. If raw material is not supplied so production will obstacle and it cause delayed order which receipt by consumer.

PT Capsugel Indonesia is one of Pharmaceutical industry which produce Gelatine Capsule. This company performs their production relevant by market demand in amount and type of product which expected by consumer, in order to it make changing in production planning. By changing of production planning in each period so order and raw material which imported from foreign can be appear the problems, such as delayed in production which caused by lack in raw material supply in order to consumer's service will delayed. So, for it is needed appropriate production and raw material planning, so service to consumer can enhanced.

Calculation process of production planning is adapted by company's condition. Production planning process is begin to predict the relevant methods, then make the aggregate planning by Level Strategy, after that performs the disaggregate planning to determine schedule of main production and performed checking the capacity by Rough Cut Capacity Planning by Bill of Labor method, finally as final stage performs material planning by Material Requirement Planning by 2 methods that is Economic Order Quantity method and Least Total Cost method and then will be choose for minimizing cost.

According the result of data processing, Master of Main Production result can be fulfill by production capacity available. And for minimizing cost material planning doing by Least Total Cost method. Total cost is 9.642.131 rupiahs.

STTELKOM