

## **ABSTRACT**

*PT. Baruna Trayindo Jaya is engaged in manufacturing by producing cable ladders and cable trays and requires request data from October 2019 to September 2020 along with other data. The methods used are calculation with disaggregated aggregate, rough cut capacity planning, material requirement planning, and also capacity requirement planning. Based on. It is found that the results of the best forecasting calculations are using DES forecasting method, for disaggregated aggregate in the form of mixed shift and overtime scheduling with the amount of Rp. 603,320,159, rough cut capacity planning has no shortage of resources, material requirements planning with the AWW method for aluminum is Rp. 123,737,464, for sphc black plate is Rp. 314,774,841, spss white plate is Rp. 108,355,551, pre-galvanized Rp. 101,587,592, and for stainless steel Rp. 109,996,395 and the capacity requirement planning capacity / availability is greater than the need, PT. Baruna Trayindo Jaya can meet the demand for 2020 to 2021 with all the resources it has. There is a lack of capacity in the electric welding machine which can be overcome by overtime so that the costs incurred are IDR 38,786,244.*

**Key words:** Forecasting Method, Aggregate, Disaggregate, RCCP, MRP, CRP