

ABSTRACT

PG. Madukismo in make the production, their products based on the number of certain without any real forecast how the range of the number of requests in the period that is currently running. The condition of this could have been caused lack of supplies products if any request in a certain period exceeds production during that period.

The methods that can used for planning distribution is by using Distribution Requirement Planning (DRP). Distribution Requirement Planning have the ability to do forecasting accurate to the needs goods in each a retailer, the determination of lead time to whom a right of each central distribution and the determination of the amount of goods ordered as a plan needs the future.

The calculation on DRP showed planned order release on each a retailer. Planned order releases in warehouse the branch Solo for packing sak do product delivery on first week up to 10th week, and for packing kg and $\frac{1}{2}$ kg make deliveries on 2nd week up to 10th week. Warehouse the branch Semarang for packing sack, packaging kg, and packaging $\frac{1}{2}$ kg do product delivery on 2nd week up to 10th week. Warehouse the branch Yogyakarta for packing sack, packaging kg, and packaging $\frac{1}{2}$ kg do product delivery on first week up to 10th week. While central Madukismo the targets of production where delivery done on 2nd week up to 9th week for all kinds of packaging.

Keywords : Distribution Requirement Planning (DRP), Planned Order Releases.