ABSTRACT

SYSTEM DEVELOPMENT PLANNING AND SCHEDULLING ACTIVITIES DISTRIBUTION OF GOODS APPROACH USING *DISTRIBUTION REQUIREMENT PLANNING* (DRP) (Case Study in CV. Roda Wina)

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CV. Roda Wina have such problems in determining the needs of rail doors and door accessories supplier to the rail is not optimal, because it is still common entrance door rail and rail accesories ordered by branches and customers who buy directly are not available in the warehouse, which led to the implementation of the delivery door rail and accessories door rails to each branch requires a much longer time and customer demand is not met. This study intends to establish a system of planning and schedulling approach the activity distribution of goods using distribution requirement planning method expected activity is not hampered distribution of goods when there is order and facilitate the planning needs of the goods that should be provided to meet the needs of the branch.

This study was conducted by analyzing the data demand of goods made by each branch to the center for the year and then used single moving average method for forecasting future demand planning items upon prior request and distribution requirement planning method to determine the number of items to be ordered to the supplier.

Information system are built to help the needs of goods that must be ordered to the supplier to meet the needs of goods each branch. However, information systems are built has not been found goods distribution schedule for the realization of the short time required for receipt of the goods ordered by each branch.

Keywords: forecasting, *single moving average* (SMA), schedulling, *distribution requirement planning* (DRP).