

## Penurunan biaya persediaan barang MRO menggunakan sistem Min-Max

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### Abstrak

Inventory control is one of important thing in company, inventory is expensive asset, usually about 40% of the total investment. This study is to obtain a model MRO inventory in effort to decrease total cost of inventory using Min-Max system with Croston and Single Exponential Smoothing foscase methods. Croston forecasting method intended for lumpy demand pattern, while Single Exponential Smoothing is for a regular demand pattern.

The result of this study is the number of economic order quantity, reoder point quantity (ROP), safety stock, and maximum level stock. For the example, 15 items, obtained increasement in average service level from 93% to 96%.;Inventory control is one of important thing in company, inventory is expensive asset, usually about 40% of the total investment.

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