

## ABSTRACT

*Home Industry Roti Bintang* is a business engaged in the food sector in Palembang city, type of the products that are in production among others roti tawar, roti manis, roti kombinasi, and bolu kecil . Based on observation often found the occurrence of the delay bread product, this purchasing raw materials because of the system that will be done is not a planning or only expected and only estimated and booking always the same. So when there is an increase or decrease demand, and there was a shortage and the excess materials causing bread industry star buy raw materials for from the sellers around that can lead to expenses is greater. Material requirements planning (MRP) is required to improve the system of procurement of raw materials in the *Home Industry Roti Bintang*, so the lack or excess of raw materials in the production of the product can be avoided. Planning of raw materials created using the Requeiment method of the Material Planning (MRP) that started off doing demand forecasting to get requests for one period to the next. After getting a request then the request relied upon the making of a Master Production Schedule (MPS) used to make the raw material requirement planning of bakery products, but to see if the Master Production Schedule (MPS) that are formed according to the capacity, then the verification done by using Rough Cut Capacity Planning (RCCP) Bill of Labor with the method of Approach. The available capacity of the results obtained as a viable, then a Master Production Schedule (MPS) which made the planning of raw materials by the method of Material Requeiment Planning (MRP) approach of Lot for Lot, MRP made further verification by using the Capacity Requirements Planning (CRP) obtained result deserves because the available capacities larger than required. Planning of raw materials by the method of lot for lot, and total cost overall planning of raw material sebesar Rp 2.466.323 for the period ahead , and using MRP planning to provide efficiency of 3.98%.

Keywords: Raw Material Requeiment Planning, *Home Industry Roti Bintang*