One of the problems most frequently encountered in a company's inventory problem, namely how to guarantee that each request can be satisfied with minimal expenses. The retail companies Sinar Pusaka is a company specializing in the field of trade in products for everyday needs, both in the scale is large (wholesale) as well as in small scale (retail). Problems occurred at the Sinar Pusaka company's that is the policy that is currently present on company based solely on instinct, that resulted in the build up supplies in a long time, thus affecting an increasingly high cost store also resulted in a product in the warehouse that expire based on the latest data company there are about 5% of the total number of items in the warehouse is currently experiencing expire, and also permasalan which is not otherwise satisfy consumer demand due to running out of supplies, and not terkendalinya the time of reservation (reorder point) products. The purpose of this research is determining the amount of reservations which was economical (qo), number of backup security (ss) and know the booking time (r) the right for each product. By using the method of Economic Order Quantity (EOQ) is expected to be able to cope with the problems that occur on the Sinar Pusaka company's inventory. Data obtained from the company of products list, the list price of the product as well as the procurement data and future demand (histories). From the data obtained is done early in the calculation of inventory processing existing for each of the products during the year 2011 is known to happen lost sales to flour products in the second and third period, the calculation of the amount of bookings then done economically (qo), calculation of the number of backup security (ss) and time of booking (r) the right to use methods of EOQ. Based on the results of processing the data proves that using the proposed methods will get decreased total expenses amounted to $ 585,447,628 or approximately 15 percent smaller than existing supply expenses.

Keywords: Supplies, Policy EOQ, Safety stock, Reorder Point