

***The Analysis Raw Material Inventory of Premix in Donat Madu Cihanjuang  
Yogyakarta***

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**ABSTRACT**

*Donat Madu Cihanjuang Yogyakarta is a culinary business that produce and sell innovative donuts by adding honey to the donut dough. This research aims to 1) analyze the optimal ordered quantity of raw material premix, 2) analyze the safety stock of raw material premix, 3) analyze the reorder point of raw material premix, 4) analyze the total inventory cost of raw material premix 5) analyze the usage effects of raw material, ordering cost, storage cost, and lead time on raw material stock, 6) analyze the inventory trend of raw material in March, April and May 2018. This research used descriptive method with case study as its research implementation method. Data analysis methods used were EOQ (Economic Order Quantity), multiple linear regression analysis, and trend analysis. The result of this research showed that the number of raw materials ordered in Donat Madu Cihanjuang Yogyakarta wasn't optimal, so the inventory cost is not efficient. The safety stock of raw material premix that must be provided in Donat Madu Cihanjuang Babarsari and Donat Madu Cihanjuang Perintis Yogyakarta are 31 kg and 32.6 kg. Reorder point of raw material premix that should be applied in Donat Madu Cihanjuang Babarsari and Donat Madu Cihanjuang Perintis Yogyakarta each of 51.84 kg and 58.10 kg. Usage amount factor and holding cost partially have significant effects on raw material premix inventory in Donat Madu Cihanjuang Babarsari. While in Donat Madu Cihanjuang Perintis Yogyakarta, the amount of usage factor, ordering cost, and holding cost partially have significant effects on raw material premix inventory. From April to June 2018, there was a decrease on usage estimation of raw material premix in Donat Madu Cihanjuang Yogyakarta in are decreased.*

*Keywords: inventories, optimal quantity, safety stock, reorder point, total inventory cost, factors of raw materials, trend analysis, and premix.*