

Lampiran 4

**Data Perhitungan EOQ Produk Mur-Baut *customer* Toyota,
Honda, Mitsubhisi, Nissan dan Astrindo**

1. Data Perhitungan EOQ Produk Mur-Baut Customer Toyota

$$R_m = \frac{150+185+210+215+225+160+230+210+290+245+\dots+255}{24}$$

$$= \frac{5328}{24} = 222$$

$$C = \text{Rp.}385.500/\text{kirim}$$

$$H = \text{Rp.} 63,-/\text{kg}/\text{bulan}$$

$$EOQ = \sqrt{\frac{2xR_mxc}{H}} = \sqrt{\frac{2x222x385.500}{63}}$$

$$= 1648 \text{ kg}$$

2. Data Perhitungan EOQ Produk Mur-Baut Customer Honda

$$R_m = \frac{120+150+125+95+115+130+140+160+140+130+\dots+200}{24}$$

$$= \frac{3350}{24} = 139$$

$$C = \text{Rp.}385.500/\text{kirim}$$

$$H = \text{Rp.} 63,-/\text{kg}/\text{bulan}$$

$$EOQ = \sqrt{\frac{2xR_mxc}{H}} = \sqrt{\frac{2x139x385.500}{63}}$$

$$= 1304 \text{ kg}$$

3. Data Perhitungan EOQ Produk Mur-Baut Customer Mitsubhisi

$$R_m = \frac{160+210+180+145+195+180+240+140+160+190+\dots+150}{24}$$

$$= \frac{3980}{24} = 165$$

$$C = \text{Rp.}420.000/\text{kirim}$$

$$H = \text{Rp.} 63,-/\text{kg}/\text{bulan}$$

$$EOQ = \sqrt{\frac{2xR_mxc}{H}} = \sqrt{\frac{2x162x420.000}{63}}$$

$$= 1483 \text{ kg}$$

4. Data Perhitungan EOQ Produk Mur-Baut *Customer Nissan*

$$\begin{aligned}
 R_m &= \frac{125+150+115+90+115+125+110+150+130+135+\dots\dots\dots+165}{24} \\
 &= \frac{3089}{24} = 128 \\
 C &= \text{Rp.}385.500/\text{ kirim} \\
 H &= \text{Rp. } 63,-/\text{kg/bulan} \\
 \text{EOQ} &= \sqrt{\frac{2xR_mxc}{H}} = \sqrt{\frac{2x128x385.500}{63}} \\
 &= 1251 \text{ kg}
 \end{aligned}$$

5. Data Perhitungan EOQ Produk Mur-Baut *Customer Astrindo*

$$\begin{aligned}
 R_m &= \frac{120+140+110+110+150+145+125+130+175+190+\dots\dots\dots+175}{24} \\
 &= \frac{3630}{24} = 151 \\
 C &= \text{Rp.}385.500/\text{ kirim} \\
 H &= \text{Rp. } 63,-/\text{kg/bulan} \\
 \text{EOQ} &= \sqrt{\frac{2xR_mxc}{H}} = \sqrt{\frac{2x151x385.500}{63}} \\
 &= 1359 \text{ kg}
 \end{aligned}$$

Tabel. Data *Economic Order Quantity (EOQ)*

Produk	<i>Customer</i>	EOQ (Kg)
Mur –Baut	Toyota	1648
	Honda	1304
	Mitsubhisi	1483
	Nissan	1251
	Astrido	1359