**LAMPIRAN**

1. **Economic Order Quantity (EOQ)**

|  |  |  |  |
| --- | --- | --- | --- |
| Demand rate(D) | 12467 | **Optimal order quantity (Q\*)** | **7182,45** |
| Setup/ordering cost(S) | 60000 | Maximum Inventory Level (Imax) | 7182,45 |
| Holding/carrying cost(H) | 29 | Average inventory | 3591,23 |
| Unit cost | 0 | Orders per period(year) | 1,74 |
|  |  | Annual Setup cost | 104145,5 |
|  |  | Annual Holding cost | 104145,5 |
|  |  | Total Inventory (Holding + Setup) Cost | 208291,0 |
|  |  | Unit costs (PD) | 0 |
|  |  | Total Cost (including units) | 208291,0 |

1. **Total Biaya**

|  |  |  |  |
| --- | --- | --- | --- |
| Demand rate(D) | 12467 | Optimal order quantity (Q\*) | 7182,45 |
| Setup/ordering cost(S) | 60000 | Maximum Inventory Level (Imax) | 7182,45 |
| Holding/carrying cost(H) | 29 | Average inventory | 3591,23 |
| Unit cost | 0 | Orders per period(year) | 1,74 |
|  |  | **Annual Setup cost** | **104145,5** |
|  |  | **Annual Holding cost** | **104145,5** |
|  |  | **Total Inventory (Holding + Setup) Cost** | **208291,0** |
|  |  | Unit costs (PD) | 0 |
|  |  | Total Cost (including units) | 208291,0 |

1. **Frekuensi Pembelian**

|  |  |  |  |
| --- | --- | --- | --- |
| Demand rate(D) | 12467 | Optimal order quantity (Q\*) | 7182,45 |
| Setup/ordering cost(S) | 60000 | Maximum Inventory Level (Imax) | 7182,45 |
| Holding/carrying cost(H) | 29 | Average inventory | 3591,23 |
| Unit cost | 0 | **Orders per period(year)** | **1,74** |
|  |  | Annual Setup cost | 104145,5 |
|  |  | Annual Holding cost | 104145,5 |
|  |  | Total Inventory (Holding + Setup) Cost | 208291,0 |
|  |  | Unit costs (PD) | 0 |
|  |  | Total Cost (including units) | 208291,0 |

1. **Re-Order Point**

|  |  |  |  |
| --- | --- | --- | --- |
| Demand rate(D) | 12467,3 | Optimal order quantity (Q\*) | 7182,54 |
| Setup/ordering cost(S) | 60000 | Maximum Inventory Level (Imax) | 7182,54 |
| Holding/carrying cost(H) | 29 | Average inventory | 3591,27 |
| Unit cost | 0 | Orders per period(year) | 1,74 |
| Days per year (D/d) | 300 | Annual Setup cost | 104146,8 |
| Daily demand rate | 41,56 | Annual Holding cost | 104146,8 |
| Lead time (in days) | 7 | Total Inventory (Holding + Setup) Cost | 73718 |
| Safety stock | 2542 | Unit costs (PD) | 0 |
|  |  | Total Cost (including units) | 282011,6 |
|  |  | **Reorder point** | **2832,9**  |