

Lampiran 2

Langkah-Langkah Perhitungan Distribusi Frekuensi

A. Variabel Kekuatan Otot Lengan (X_1)

$$\begin{aligned} \text{Rentang (R)} &= \text{Data Terbesar} - \text{Data Terkecil} \\ &= 24,0 - 12,2 \\ &= 11,8 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \text{ Log } n \\ &= 1 + (3,3) \text{ Log } 20 \\ &= 1 + 4,29 \\ &= 5,29 (5) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{11,8}{5} \\ &= 2,36 \end{aligned}$$

B. Variabel Daya Ledak Otot Tungkai (X_2)

$$\begin{aligned} \text{Rentang (R)} &= \text{Data Terbesar} - \text{Data Terkecil} \\ &= 51 - 28 \\ &= 23 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \text{ Log } n \\ &= 1 + (3,3) \text{ Log } 20 \\ &= 1 + 4,29 \\ &= 5,29 (5) \end{aligned}$$

$$\text{Panjang Kelas (PK)} = \frac{R}{BK}$$

$$\begin{aligned} &= \frac{23}{5} \\ &= 4,6 \text{ (5)} \end{aligned}$$

C. Variabel Kemampuan Renang Gaya Dada (Y)

$$\begin{aligned} \text{Rentang (R)} &= \text{Data Terbesar} - \text{Data Terkecil} \\ &= 20 - 12 \\ &= 8 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \text{ Log } n \\ &= 1 + (3,3) \text{ Log } 20 \\ &= 1 + 4,29 \\ &= 5,29 \text{ (5)} \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{8}{5} \\ &= 1,6 \text{ (1)} \end{aligned}$$