

Perhitungan Persentase Data

1. Perhitungan Persentase Data Kelas Eksperimen

- a. Perhitungan Persentase *mean* antara nilai *pretest* dan *posttest* kelas eksperimen :

$$\begin{aligned}
 \text{Persentase Data} &= \frac{\text{mean posttest} - \text{mean pretest}}{\text{mean pretest}} \times 100 \% \\
 &= \frac{86,7 - 66,2}{66,2} \times 100 \% \\
 &= \frac{20,5}{66,2} \times 100 \% \\
 &= 0,309 \times 100 \% \\
 &= 30,9 \% \approx 31 \%
 \end{aligned}$$

- b. Perhitungan Persentase *median* antara nilai *pretest* dan *posttest* kelas eksperimen :

$$\begin{aligned}
 \text{Persentase Data} &= \frac{\text{median posttest} - \text{median pretest}}{\text{median pretest}} \times 100 \% \\
 &= \frac{89,5 - 64,5}{64,5} \times 100 \% \\
 &= \frac{25}{64,5} \times 100 \% \\
 &= 0,387 \times 100\% \\
 &= 38,7\%
 \end{aligned}$$

- c. Perhitungan Persentase *modus* antara nilai *pretest* dan *posttest* kelas eksperimen :

$$\text{Persentase Data} = \frac{\text{modus posttest} - \text{modus pretest}}{\text{modus pretest}} \times 100 \%$$

Lampiran 12. Perhitungan Persentase Data (Lanjutan)

$$\begin{aligned}
 &= \frac{92,6 - 71,7}{71,7} \times 100 \% \\
 &= \frac{20,9}{71,7} \times 100 \% \\
 &= 0,291 \times 100 \% \\
 &= 29,1 \% \approx 29 \%
 \end{aligned}$$

2. Perhitungan Persentase Data Kelas Eksperimen

- a. Perhitungan Persentase *mean* antara nilai *pretest* dan *posttest* kelas kontrol :

$$\begin{aligned}
 \text{Persentase Data} &= \frac{\text{mean posttest} - \text{mean pretest}}{\text{mean pretest}} \times 100 \% \\
 &= \frac{74,6 - 69,2}{69,2} \times 100 \% \\
 &= \frac{5,4}{69,2} \times 100 \% \\
 &= 0,078 \times 100 \% \\
 &= 7,8 \%
 \end{aligned}$$

- b. Perhitungan Persentase *median* antara nilai *pretest* dan *posttest* kelas kontrol :

$$\begin{aligned}
 \text{Persentase Data} &= \frac{\text{median posttest} - \text{median pretest}}{\text{median pretest}} \times 100 \% \\
 &= \frac{75,5 - 70,2}{70,2} \times 100 \% \\
 &= \frac{5,3}{70,2} \times 100 \% \\
 &= 0,075 \times 100 \% \\
 &= 7,5 \%
 \end{aligned}$$

Lampiran 12. Perhitungan Persentase Data (Lanjutan)

- c. Perhitungan Persentase *modus* antara nilai *pretest* dan *posttest* kelas kontrol :

$$\begin{aligned}
 \text{Persentase Data} &= \frac{\text{modus posttest} - \text{modus pretest}}{\text{modus pretest}} \times 100 \% \\
 &= \frac{81,3 - 72,5}{72,5} \times 100 \% \\
 &= \frac{8,8}{72,5} \times 100 \% \\
 &= 0,121 \times 100 \% \\
 &= 12,1 \% \approx 12 \%
 \end{aligned}$$

3. Perhitungan Persentase perbedaan prestasi belajar siswa (*mean posttest* kelas eksperimen dan kelas kontrol) :

$$\begin{aligned}
 \text{Persentase Data} &= \frac{\text{kelas eksperimen} - \text{kelas kontrol}}{\text{kelas kontrol}} \times 100 \% \\
 &= \frac{86,7 - 74,6}{74,6} \times 100 \% \\
 &= \frac{12,1}{74,6} \times 100 \% \\
 &= 0,162 \times 100 \% \\
 &= 16,2 \%
 \end{aligned}$$