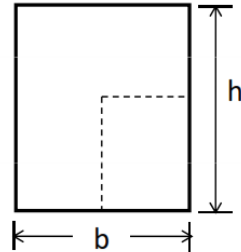


- Luasan dan titik berat beberapa bentuk penampang :

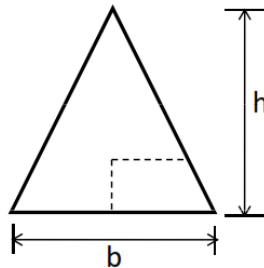
a. Empat persegi panjang



$$\text{Luas} = b \cdot h$$

$$\begin{aligned} \text{Titik berat : } x &= \frac{1}{2} b \\ y &= \frac{1}{2} h \end{aligned}$$

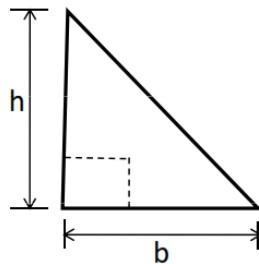
b. Segi tiga sama kaki



$$\text{Luas} = \frac{1}{2} b \cdot h$$

$$\begin{aligned} \text{Titik berat : } x &= \frac{1}{2} b \\ y &= \frac{1}{3} h \end{aligned}$$

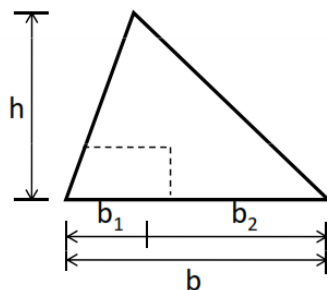
c. Segi tiga siku-siku



$$\text{Luas} = \frac{1}{2} b \cdot h$$

$$\begin{aligned} \text{Titik berat : } x &= \frac{1}{3} b \\ y &= \frac{1}{3} h \end{aligned}$$

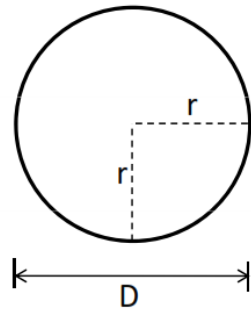
d. Segi tiga tidak sama kaki



$$\text{Luas} = \frac{1}{2} b \cdot h$$

$$\begin{aligned} \text{Titik berat : } x_1 &= \frac{1}{3}(b_1 + b) ; x_2 = \frac{1}{3}(b_2 + b) \\ y &= \frac{1}{3} h \end{aligned}$$

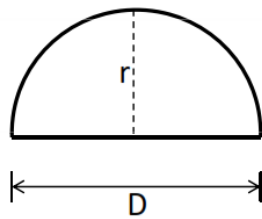
e. Lingkaran



$$\text{Luas} = \pi r^2 \text{ atau } \frac{1}{4} \pi D^2$$

$$\text{Titik berat : } x = y = r = \frac{1}{2} D$$

f. Setengah lingkaran



$$\text{Luas} = \frac{1}{2} \pi r^2 \text{ atau } \frac{1}{8} \pi D^2$$

$$\begin{aligned} \text{Titik berat : } x &= r = \frac{1}{2} D \\ y &= \frac{4r}{3\pi} \end{aligned}$$