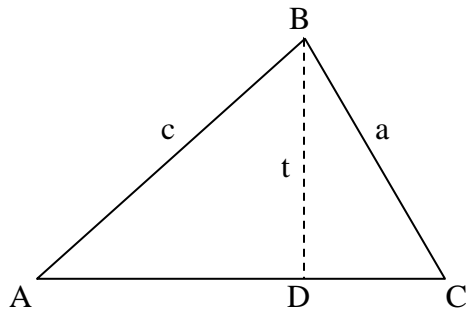
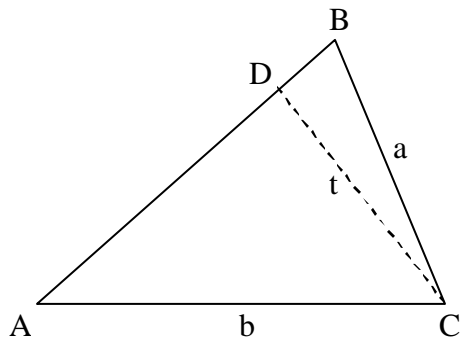


ATURAN SINUS

Gambar 1



Gambar 2



Perhatikan gambar 1 di samping:

Pada $\triangle ABD$

$$\sin A = \frac{t}{c} \Rightarrow t = c \cdot \sin A$$

Pada $\triangle BDC$

$$\sin C = \frac{t}{a} \Rightarrow t = a \cdot \sin C$$

Sehingga

$$c \cdot \sin A = a \cdot \sin C$$

$$\frac{a}{\sin A} = \frac{c}{\sin C}$$

Perhatikan gambar 2 di samping:

Pada $\triangle ACD$

$$\sin A = \frac{t}{b} \Rightarrow t = b \cdot \sin A$$

Pada $\triangle BCD$

$$\sin B = \frac{t}{a} \Rightarrow t = a \cdot \sin B$$

Sehingga

$$b \cdot \sin A = a \cdot \sin B$$

$$\frac{a}{\sin A} = \frac{b}{\sin B}$$

$$\text{Jadi } \frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$