

besaran satuan dan pengukuran

Besaran Turunan, Satuan, dan Dimensinya

Contoh:

Jenis besaran : **Kelajuan**

$$\text{kelajuan} = \frac{\text{jarak}}{\text{waktu}} = \frac{\text{meter}}{\text{sekon}} = \frac{[L]}{[T]} = [L][T]^{-1}$$



Jenis besaran : **Gaya**

$$\text{Gaya} = \text{massa} \times \text{percepatan} = \text{massa} \times \frac{\text{perubahan kecepatan}}{\text{waktu}}$$

$$\text{Gaya} = \text{kilogram} \times \frac{\text{meter/sekon}^2}{\text{sekon}} = \text{kilogram} \times \frac{\text{meter}}{\text{sekon}^2}$$

$$\text{Gaya} = [M] \frac{[L]}{[T]^2} = [M][L][T]^{-2}$$

ketidakpastian

Bagaimana cara menyatakan ketidakpastian?

- Ketepatan/perkiraan ketidakpastian

Contoh:

Panjang daun = 5,2 ± 0,1 cm

Perkiraan ketidakpastian

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