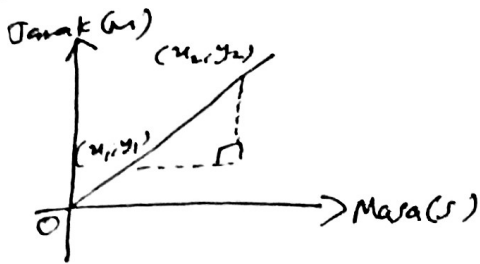


# Graf Gerakan

## ① Graf Jarak-Masa



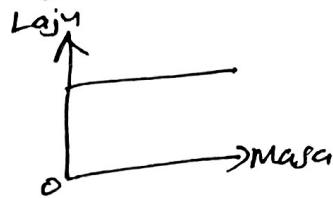
$$m = \frac{y_2 - y_1}{x_2 - x_1} = \text{Laju (kmj}^{-1}\text{)}$$

$$\text{Laju purata} = \frac{\text{Jumlah jarak (km)}}{\text{Jumlah masa (j)}}$$

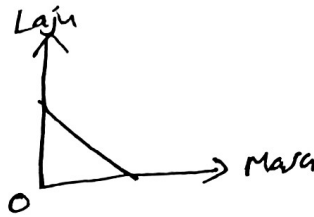
## ② Graf Laju-Masa



~ Laju bertambah secara seragam



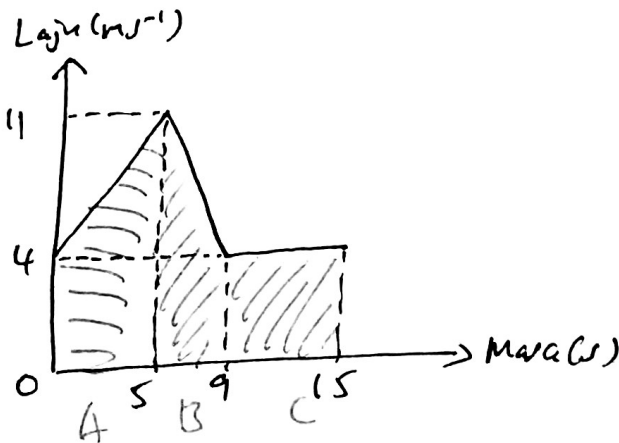
~ Laju seragam



~ Laju menyusut secara seragam

Jarak = Laju x Masa  
[Luas bawah graf]

$$m = \frac{v_2 - v_1}{t_2 - t_1}$$



A => Jarak utle 5 min pertama =  $\frac{1}{2} (4 + 11) \times (5 - 0) = 37.5 \text{ m}$

B => Jarak utle 4 saat berikutnya =  $\frac{1}{2} \times (11 + 4) \times (9 - 5) = 30 \text{ m}$

C => Jarak 9s → 15s : =  $(15 - 9) \times 4$