

No. 9/9/21

Page :

Date :

Usaha

$$w = F \times s$$

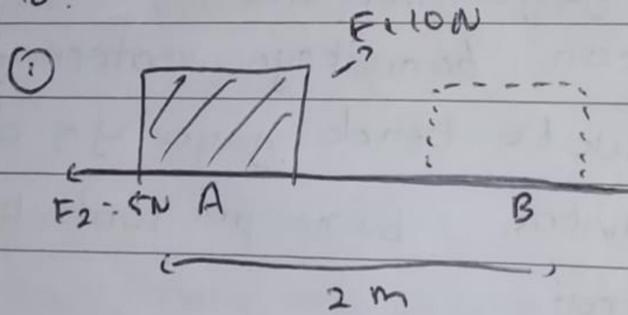
$$P = \frac{w}{t} \Rightarrow P = \frac{w}{t} = \frac{F \times s}{t}$$

$$w = \Delta E_p = \Delta EK$$

$$\Delta E_p = m \cdot g (h_2 - h_1)$$

$$\Delta EK = \frac{1}{2} m (v_2^2 - v_1^2)$$

Qo:



$$\sum F = (10 - 5)\text{ N} = 5\text{ N}$$

$$w = \sum F \times s$$

$$= 5 \cdot 2$$

$$= 10\text{ J}$$

No.

(2)

$h_2 = 2\text{m}$   $m = 1\text{kg}$

$$g = 10 \text{ m/s}^2$$

$$\therefore h_1 = 0$$

$$w = \Delta E_p$$

$$\therefore m \cdot g (h_2 - h_1)$$

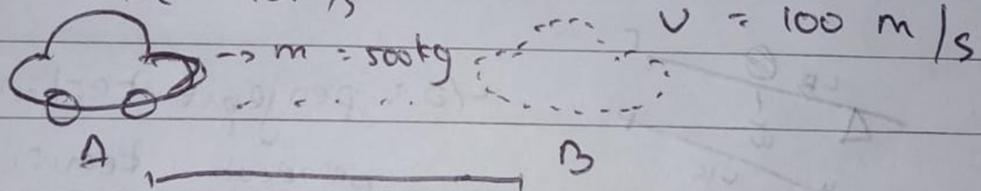
$$= 1 \cdot 10 (2-1)$$

$$= 10$$

$$= 10 \text{ J}$$

(3)

$$v_c = 10 \text{ m/s}$$



$$w = \Delta E_k$$

$$= \frac{1}{2} m (v_2^2 - v_1^2)$$

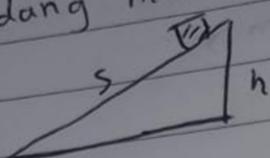
$$= \frac{1}{2} \cdot 500 (100^2 - 10^2)$$

$$= 250 (10.000 - 100)$$

$$= 2.475.000$$

No.

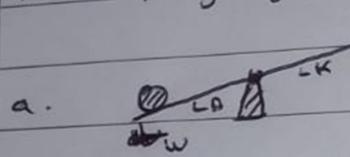
pesawat sederhana

1. bidang mirip
- 

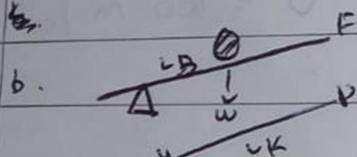
$$KM = \frac{s}{h}$$

clo : pisau, tangga, sekrup,  
jalanan berlilin, kapak,  
obeng

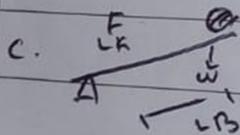
2. tuas (pengungkit)



clo : gunting, jungkit -  
jungkit, gunting kaku,  
tang



clo : penjepit tertar,  
pemecah temiri, gerobak  
pembuka tutup botol



clo : pinset, stapler

$$w \times LB = F \times LK$$

$$KM = \frac{F}{w} = \frac{LK}{LB}$$

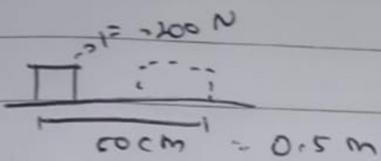
3 batrol

$$KM = m$$

= jumlah tulang

% : sumur, tiang bendera

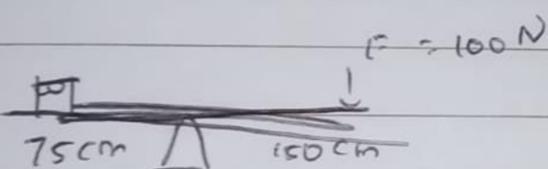
hlm 98 IPA terpadu



$$w = F \times s$$

$$= 200 \times 0.5$$

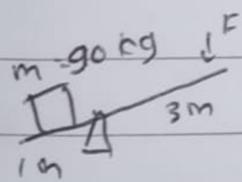
$$= 100 \text{ J}$$



$$w \cdot 75 \text{ cm} = 150 \text{ cm} \cdot 100$$

$$\approx 200 \text{ N}$$

$$=$$



$$w \cdot L \approx L \cdot F$$

$$\frac{900}{300} \cdot 1 \approx 3 \cdot F$$

$$w = m \cdot g$$

$$= 900 \text{ N}$$
 ~~$\frac{300}{300} \Rightarrow$~~ 

$$F = 300 \text{ N}$$



No.

Date :

Senin 30/8/21

PB 2 (hlm 2a)

1. D. katrol berputar
2. B. 1 meter
3. B. 2
4. C. 3
5. c. roda berporos
6. A. roda
7. B. katrol
8. D. bidang miring
9. B. 5
10. B. menambah tinggi

(hlm 2a)

$$1. \text{ jwb: } km = \frac{w}{F}$$

$$w = km \times f$$

$$w = 4 \times 8 = 32 \text{ newton (N)}$$

2. D

3. B (2)

$$4. \text{ jwb: } km = \underline{\underline{8}}$$

$$= 2 \text{ (g)}$$

5. A. gunting dan tang

6. c. pemecah temiri

7.  $\text{Jwb} = \frac{f_k}{f_b} = \frac{12\phi}{2\phi} = 6 = (\text{B})$

8. D. pengungkit jenis I

9. C. pengungkit jenis II

10. C. pengungkit jenis III peduc