

09 06

N 1.

Dikano:

$$V_{ep1} = 20 \text{ c}$$

$$V_b = 4 \text{ u/c}$$

$$V_{ep2} = 4 \text{ c}$$

$$V_i = 10 \text{ c}$$

$$V_{ep2} = 16 \text{ c}$$

$$V_{ep3} = ?$$

Jawab:

$$20 \text{ c} \cdot 4 \text{ u/c} = 80 \text{ u}$$

$$10 \text{ c} \cdot 4 \text{ u/c} = 40 \text{ u}$$

$$80 - 40 = 40 \text{ u}$$

$$40 \text{ u} : 16 \text{ c} = 2,5 \text{ u/c}$$

Jawab: 2,5 u/c

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N 3

Dikano:

$$m = 1 \text{ m}$$

$$t = 0^\circ \text{C}$$

$$c_{cb} = 140 \text{ J/m}^3 \cdot \text{K}^\circ \text{C}$$

$$\lambda = 2,5 \cdot 10^4 \text{ J/m}^2 \cdot \text{K}$$

$$t_{m1} = 327^\circ \text{C}$$

$$Q = ?$$

Jawab:

$$Q = cm(t_{m2} + t^\circ) + \lambda m$$

$$Q = 140 \text{ J/m}^3 \cdot \text{K}^\circ \text{C} \cdot 1(327^\circ \text{C} - 0^\circ \text{C}) +$$

$$+ 0,8 + 2,5 \cdot 10^4 \text{ J/m}^2 \cdot \text{K} = 58280 \text{ J/m}^3$$

Jawab: 58280 J/m³

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N 4

09 06

Dikno:

CU:

Ditanyakan:

$V_0 = 7,2 \text{ km/h}$

~~$0,72 \text{ m/s}$~~

$S = V_0 \cdot t_0$

$t_0 = 10 \text{ s}$

$S = 0,72 \text{ m/s} \cdot 10 \text{ s} =$

$S = ?$

$= 7,2 \text{ m}$

$V_{\text{per}} = ?$

$V_{\text{per}} = 9,28 \text{ m/s}$

58

195

Jawab: $S = 7,2 \text{ m}$