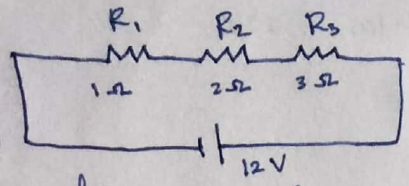
Quiz Kalisma

NPM. 2213022026

1.



25

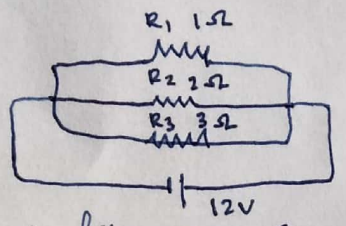
B: 80

a. hitung arus pada R3
b. hitung tegangan pada R2

Jawab

a) $\frac{12}{6} = 2\ A$ b) $\frac{12}{3} = 4$

2.



15

a. hitung arus R3
b. hitung tegangan R2

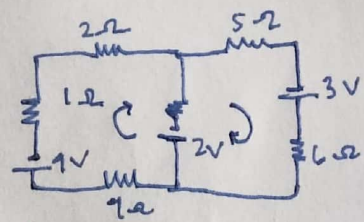
Jawab:

a. $\frac{12}{3} = 4 \rightarrow R3$

b. $\frac{12}{2} = 6 \rightarrow R2$

$12 : 1 = 12$
$12 : 2 = 6$
$12 : 3 = 4$

3.



15

hitung arus tiap loop (I_1, I_2, I_3)

Jawab:

$\Sigma \xi + \Sigma i \cdot R = 0$

$-1 - 2 + I_1 + 3I_3 = 0$
$-6 + 2I_1 + 3I_3 = 0$

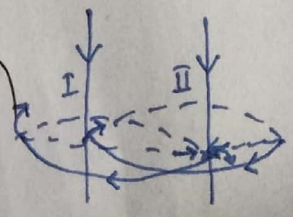
loop I

$\Sigma \xi + \Sigma I \cdot R = 0$

$-\xi_2 + \xi_3 + I_2 + I_3$
$R6 = 0 \quad 11 - I\ (11) = 0$
$I = \frac{11}{11} = 1\ A$

loop II

4.



25