Nama: Alicia Bernodine P. NR9: 5010207170

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kelas = Físita 11

1

0) Edi P

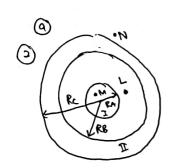
$$= \frac{\lambda}{4\pi \xi_0} ((0-0)i-(1--1)$$

$$=\frac{-1}{4\pi s_0}$$

(b) 
$$f = E.9$$
  
=\(\begin{align\*} = \frac{12 + \sqrt{2}\gamma}{4 \text{ mEp D}}\)

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RA=0,02m RB = 0104M RC=0,06M

thing ankomes with non-

Korduktor I = +29 konduktor = -3Q

· di L, RACTCRB

$$\oint E dA = \underbrace{\text{Eqenc}}_{\text{Ev}} \Rightarrow \text{Qenc} = +2q$$

$$E \cdot A = \underbrace{2Q}_{\text{Ev}}$$

$$E = \underbrace{2Q}_{\text{Ev}}$$

$$E = \underbrace{2Q}_{\text{Ev}}$$

$$E = \underbrace{2Q}_{\text{Ev}}$$

$$E = \underbrace{2Q}_{\text{Ev}}$$

$$= \underbrace{2VQ}_{\text{Ev}} \times V/C$$

· diM r< RA

· din, r>Rc

Qenc = 
$$\alpha$$
iso +  $\alpha$  +  $\alpha$  =  $-4$  =

- (b) Potensial listrik di rl=3cm dan rm=1cm
  - · rl=3cm =0,03 m

$$V = -\int_{R}^{R_{C}} \overline{E}_{r} R_{C} - \int_{R}^{R_{B}} \overline{E}_{r} R_{C} R_{C} - \int_{R_{E}}^{R_{E}} \overline{E}_{r} R_{C} R_{C}$$

· RM = 0,01 m

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FISIKA 11

$$C_{1} = \frac{k \, \epsilon_{0} A}{d}$$

$$= 4. \quad \epsilon_{0}. \quad \cdot 4.10^{-3}.12.10^{-3}$$

$$= 6. \quad \epsilon_{0} \quad 8.10^{3}.12.10^{-3}$$

$$= 0.1096 \, \epsilon_{0} F$$

$$= 0.1576 \, \epsilon_{0} F$$

$$C_3 = \frac{k \, \epsilon_0 \, A}{d}$$

$$= 2. \, \epsilon_0 \, 4. \, 10^{-12} \, 12 \cdot 10^{-3}$$

$$= 0.192 \, \epsilon_0 + \frac{1}{2} \, \epsilon_0 + \frac{1}{2$$

•7 Cseri = 
$$\frac{1}{c_2} + \frac{1}{c_3}$$
  
=  $\frac{1}{c_3 + c_2}$   
=  $\frac{1}{c_3 + c_2}$ 

3 © 
$$U = \frac{1}{2}CU^{2}$$
  
=  $\frac{1}{2}2124 \cdot 10^{-12} \cdot 5^{2}$   
=  $5.31.10^{-12} \text{ J}$ 

I

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•> Loop 
$$T$$
 $EE + EIR = 0$ 
 $-E1 + I1R_1 - E_2 + I2R_2 = 0$ 
 $-12 + 10I_1 - 9 + 5I_2 = 0$ 
 $10I_1 + 5(I_1 - I_3) = 2I$ 
 $15I_1 - 5I_3 = 2I$ 
 $-15I_1 - 5I_3 = 2I$ 
 $-15I_1 + 45I_3 = -36$ 
 $40I_3 = -5$ 

 $I_{1} = \frac{51}{40} A$   $I_{2} = \frac{66}{40}$   $I_{3} = \frac{3}{8}$ 

arah

ke bawah

(a) Jadi,

arah searah

Tarum Jam

$$V = -13R3$$

$$= -\frac{3}{8} \cdot 10 = -\frac{30}{8} V \quad \text{(negatif karena arah berkebalikan)}$$

arah

berlawaran Jarumjam