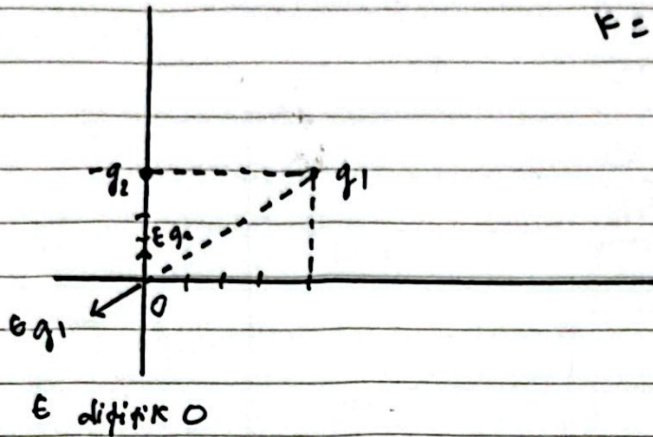


Listrik dan kemagnetan

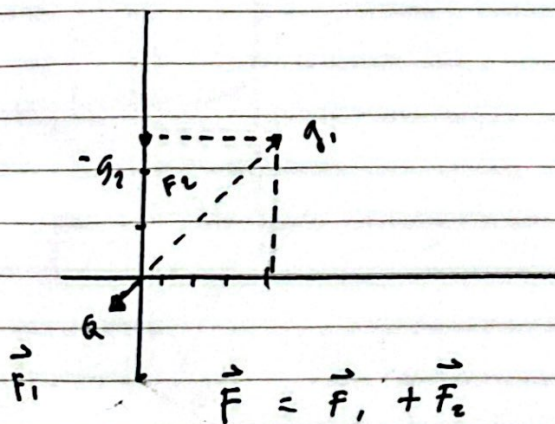
17/02/2025

$$k = \frac{1}{4\pi\epsilon_0}$$



$$\begin{aligned}\vec{E}(O) &= k \left[\frac{q_2}{3^2} (\hat{j}) + \frac{q_1}{5^2} \times \frac{(4\hat{i} - 3\hat{j})}{5} \right] \\ &= k \left[-4 \frac{q_1}{125} \hat{i} + \left(\frac{q_2}{9} - \frac{3q_1}{125} \right) \hat{j} \right]\end{aligned}$$

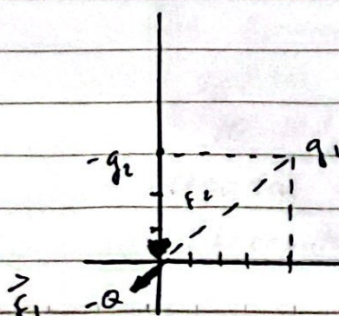
$$|\vec{E}| =$$



Jika muatannya
sama akan tolak
menolak

$$= kQ \left[\frac{q_2}{3^2} (\hat{j}) + \frac{q_1}{5^2} \left(\frac{-4\hat{i} - 3\hat{j}}{5} \right) \right]$$

$$\vec{F}_Q = kQ \left[\frac{q_2}{3^2} (-\hat{j}) + \frac{q_1}{5^2} \left(\frac{4\hat{i} + 3\hat{j}}{5} \right) \right]$$



tidak usah di tulis
(-) karena akan terdapat
arah