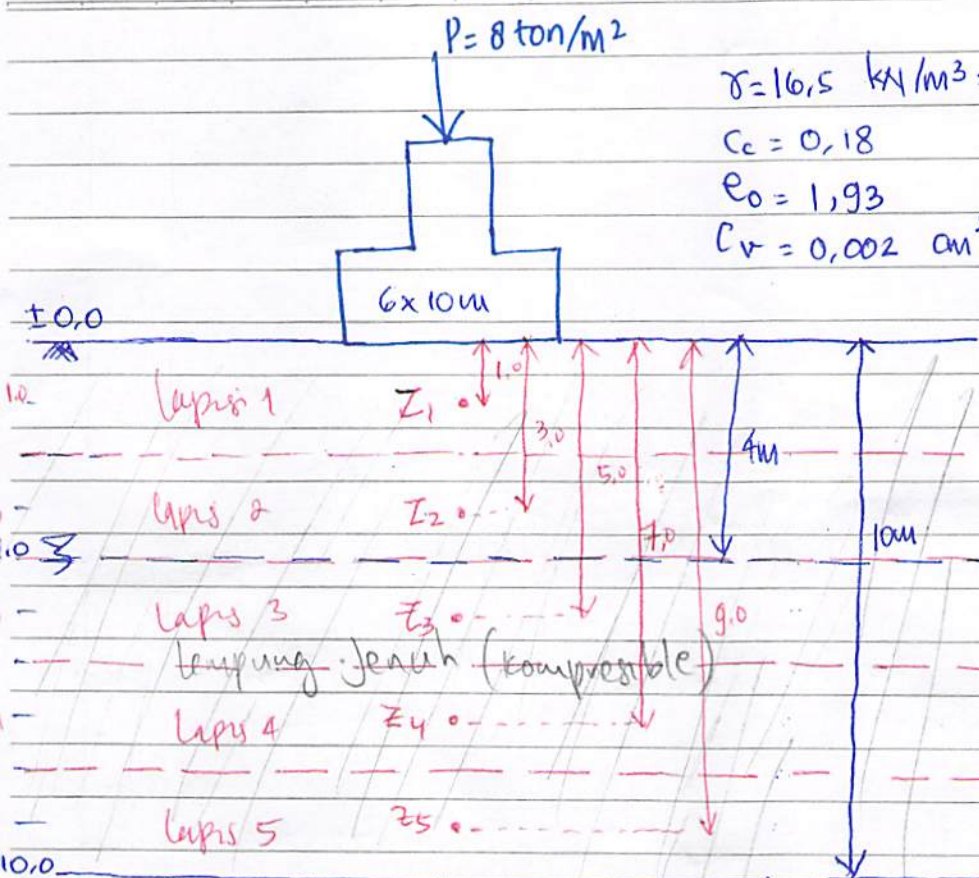


Date 24-06-2014.



$$P = 8 \text{ ton/m}^2$$

$$\gamma = 16,5 \text{ kN/m}^3 = 1,65 \text{ t/m}^3$$

$$C_c = 0,18$$

$$e_0 = 1,93$$

$$C_v = 0,002 \text{ cm}^2/\text{s}$$

$$\frac{\text{t/m}^2}{\text{m}^2}$$

$$\sigma_{01} = (0 \times 1,65) + (1 \times 1,65) = 0 + 1,65 = 1,65 \text{ t/m}^2$$

$$\sigma_{02} = 0 + (3 \times 1,65) = 4,95 \text{ t/m}^2$$

$$\sigma_{03} = 0 + (5 \times 1,65) = 8,25 \text{ t/m}^2$$

$$\sigma_{04} = 0 + (7 \times 1,65) = 11,55 \text{ t/m}^2$$

$$\sigma_{05} = 0 + (9 \times 1,65) = 14,85 \text{ t/m}^2$$

Jawab: (Pisat. pisat. / t/m<sup>2</sup> kompresible (t))

$$1. q = D_f \times \gamma = 0 \times 1,65 = 0$$

$$q_0 = \frac{P}{A} - q = \frac{8}{(6 \times 10)} - 0$$

$$q_0 = 0,134 \text{ t/m}^2$$

$$\begin{aligned} m_2 &= \frac{B}{z_2} = \frac{3}{3} = 1 \\ n_2 &= \frac{L}{z_2} = \frac{5}{3} = 1,67 \\ I_2 &= 0,1968 \end{aligned}$$

$$I_1 = 1 \times 4 = 0,24608 \times 4 = 0,98432$$

$$I_2 = I_2 \times 4 = 0,1968 \times 4 = 0,7872$$

$$\begin{aligned} m_3 &= \frac{B}{z_3} = \frac{3}{5} = 0,6 \\ n_3 &= \frac{L}{z_3} = \frac{5}{5} = 1 \\ I_3 &= 0,13605 \end{aligned}$$

$$I_3 = I_3 \times 4 = 0,13605 \times 4 = 0,5442$$

$$\begin{aligned} m_4 &= \frac{B}{z_4} = \frac{3}{7} = 0,43 \\ n_4 &= \frac{L}{z_4} = \frac{5}{7} = 0,72 \\ I_4 &= 0,08734 \end{aligned}$$

$$I_4 = I_4 \times 4 = 0,08734 \times 4 = 0,34936$$

$$\begin{aligned} m_5 &= \frac{B}{z_5} = \frac{3}{9} = 0,34 \\ n_5 &= \frac{L}{z_5} = \frac{5}{9} = 0,56 \\ I_5 &= 0,05593 \end{aligned}$$

$$I_5 = I_5 \times 4 = 0,05593 \times 4 = 0,22372$$

$$\Delta p = q_0 \times I \rightarrow m = \frac{B}{z} \\ n = \frac{L}{z}$$

$$B = 3,0, L = 5,0$$

$$\Delta \sigma_1 = q_0 \times I_1 = 0,134 \times 0,98432 = 0,13189888 \text{ t/m}^2$$

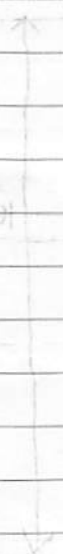
$$\Delta \sigma_2 = q_0 \times I_2 = 0,134 \times 0,7872 = 0,1054848 \text{ t/m}^2$$

$$\Delta \sigma_3 = q_0 \times I_3 = 0,134 \times 0,5442 = 0,0729228 \text{ t/m}^2$$

$$\Delta \sigma_4 = q_0 \times I_4 = 0,134 \times 0,34936 = 0,04681424 \text{ t/m}^2$$

$$\Delta \sigma_5 = q_0 \times I_5 = 0,134 \times 0,22372 = 0,02997848 \text{ t/m}^2$$

$$I_1 = 0,24608$$



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