M. Haszim Abdillah P.

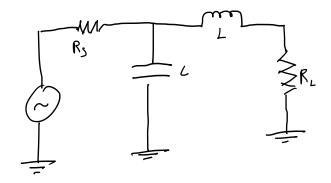
Dit: Ranghaian IMC

Zavab:

Meloloskan singal DC -> bersigat LPF

Karena R. < Rs, maka:

$$Q_s = Q_p = \sqrt{\frac{R_p}{R_s} - 1} = \sqrt{\frac{2000}{100} - 1} = \sqrt{15}$$



$$Q_s = \frac{x_s}{R_s} \rightarrow x_s = Q_s$$
, R_s

$$L = \frac{Q_{S.R_{S}}}{2E5} = \frac{\sqrt{19.100}}{2.3,14.50\times10^{6}} = 1,39\times10^{-6} \text{ M}$$

$$Q_{p} = \frac{R_{p}}{\times_{p}} \rightarrow \times_{p} = \frac{R_{p}}{Q_{p}}$$

$$\frac{1}{2\pi 4C} = \frac{R_{p}}{Q_{p}}$$

Rongkaian IMC:

Dit: Rangkaian IML

Jawab:

$$Q_s = Q_p = \sqrt{\frac{R_p}{R_s}} - / = \sqrt{\frac{2000}{120}} - / = \sqrt{10}$$

$$Q_{s} = \frac{\times_{s}}{R_{s}} \rightarrow \times_{s} = Q_{s} \cdot R_{s}$$

$$\frac{1}{2\pi s C} = Q_{s} \cdot R_{s}$$

$$C = \frac{1}{2\pi s C Q_{s} R_{s}} = \frac{1}{2 \cdot 3/14 \cdot 50 \times 60^{4} \cdot \sqrt{50 \cdot 600}} = 7.3 \text{ pF}$$

$$\begin{array}{c}
2\pi 5 \text{ L. Rs} & 2.3,14.50 \times 10^{3}. 10 \cdot 100
\end{array}$$

$$\begin{array}{c}
\mathbb{R}_{P} \\
\times_{P} \\
\times_{P}
\end{array}$$

$$\begin{array}{c}
\mathbb{R}_{P} \\
\mathbb{R}_{P} \\
\mathbb{R}_{P}
\end{array}$$

$$\begin{array}{c}
\mathbb{R}_{P} \\
\mathbb{R}_{P}
\end{array}$$

Rangkaian IMC:

