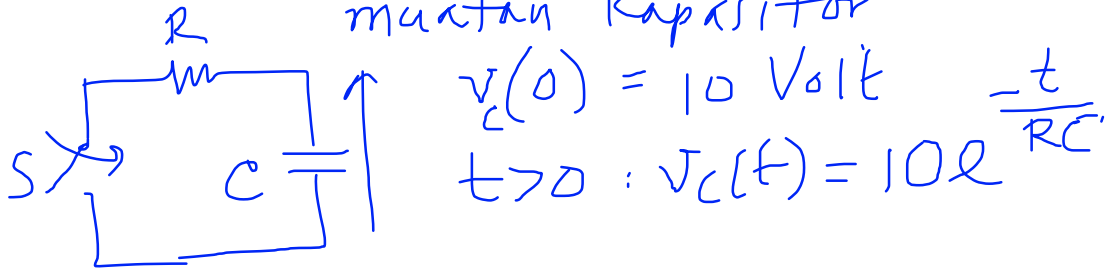


Tugas 1 VERIFIKASI SIMULINK

Tujuan: Menentukan besarnya ERROR (GALAT) dari SIMULINK untuk berbagai nilai TOLERANSI

Referensi: Rangkaian Pelepasan muatan Kapasitor



$$\begin{aligned} \text{D42109 } X_1 X_2 X_3 &\longrightarrow R = X_1 X_2 X_3 \text{ K}\Omega \\ \text{D42109 } Y_1 Y_2 Y_3 &\longrightarrow C = Y_1 Y_2 Y_3 \mu\text{F} \end{aligned}$$

$$\begin{aligned} \text{Contoh: } X_1 X_2 X_3 = 272 &\longrightarrow R = 272 \text{ K}\Omega \\ &= 272000 \Omega \end{aligned}$$

$$\begin{aligned} Y_1 Y_2 Y_3 = 270 &\longrightarrow C = 270 \mu\text{F} \\ &= 0,00027 \text{ F} \end{aligned}$$

$$\begin{aligned} RC &= (272000 * 0,00027) \text{ seconds} \\ &= 73,44 \text{ seconds} \end{aligned}$$