LAPORAN KUIS 4 PMC

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1. Penurunan Rumus

Penurunan Rumus Togangan Kapasitor

$$\frac{V_i - V_o}{R} = C \frac{\Delta V_o}{\Delta t}$$

$$\frac{V_i - V_o}{RC} = \frac{V_o(t) - V_o(t - \Delta t)}{\Delta t}$$

$$\frac{V_i}{RC} - \frac{V_o}{RC} = \frac{V_o(t)}{\Delta t} - \frac{V_o(t - \Delta t)}{\Delta t}$$

$$\frac{V_o(t)}{\Delta t} + \frac{V_o}{RC} = \frac{V_o(t - \Delta t)}{\Delta t} + \frac{V_i}{RC}$$

$$\frac{V_o(R + \Delta t)}{RC} = \frac{V_o(t - \Delta t) \cdot RC + V_i \cdot \Delta t}{\Delta t - RC}$$

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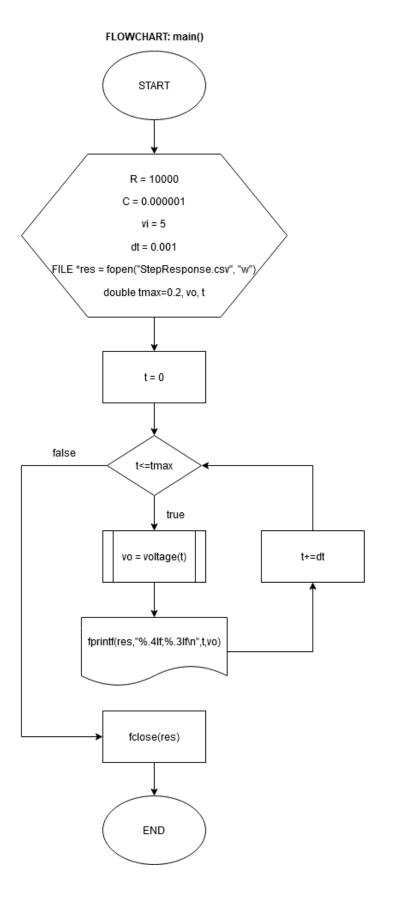
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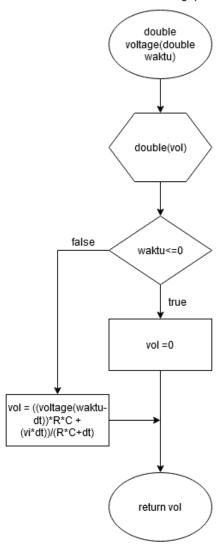
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2. Flowchart



FLOWCHART: voltage(waktu)



3. Chart

