Nama = Mu'afa Ali Syakir

NRP = 5023 211023

8:2

$$1.a6(5) = \frac{10}{5+2} \frac{1}{5}$$

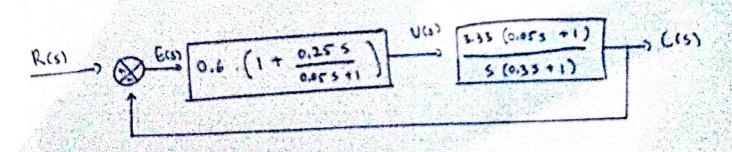
Ts (± 0.5 %) , 2 500

$$k_{\theta} = \frac{Ti}{k.T^*}$$

$$\frac{\mathcal{Q}(s)}{\uparrow} \otimes \frac{\mathcal{G}(s)}{\downarrow} \xrightarrow{\left[0:2s\left(1+\frac{1}{0.5s}\right)\right]} \xrightarrow{\mathcal{U}(s)} \xrightarrow{\left[0:5s+1\right]} \xrightarrow{\mathcal{C}(s)}$$

$$G(s) = \frac{10 (0.05 s + 1)}{s^2 + 3s} \frac{x_3^{\frac{1}{3}}}{x_3^{\frac{1}{3}}}$$

Diagram blok



Simplink

$$6(s) = \frac{2}{s^2 + 20s + 25} \cdot \frac{1}{25}$$

$$= \frac{0.08}{\frac{1}{25} s^{2} + \frac{4}{5} s + 1} \qquad \begin{array}{c} k = 0.09 \\ \frac{1}{25} s^{2} + \frac{4}{5} s + 1 \end{array} \qquad \begin{array}{c} k = 0.09 \\ \frac{1}{25} s^{2} + \frac{4}{5} s + 1 \end{array} \qquad \begin{array}{c} 2 \frac{4}{5} = \frac{4}{5} \\ \frac{2}{5} = \frac{47}{5} \end{array}$$

Diagram Block

$$\begin{array}{c|c}
\hline
R(5) \\
\hline
\end{array}$$

$$\begin{array}{c|c}
\hline
E(5) \\
\hline
\end{array}$$

$$\begin{array}{c|c}
\hline$$

$$\end{array}$$

$$\begin{array}{c|c}
\end{array}$$

$$\begin{array}{c|c}
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$$\end{array}$$

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$$\begin{array}{c|c}
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$$\begin{array}{c|c}
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