

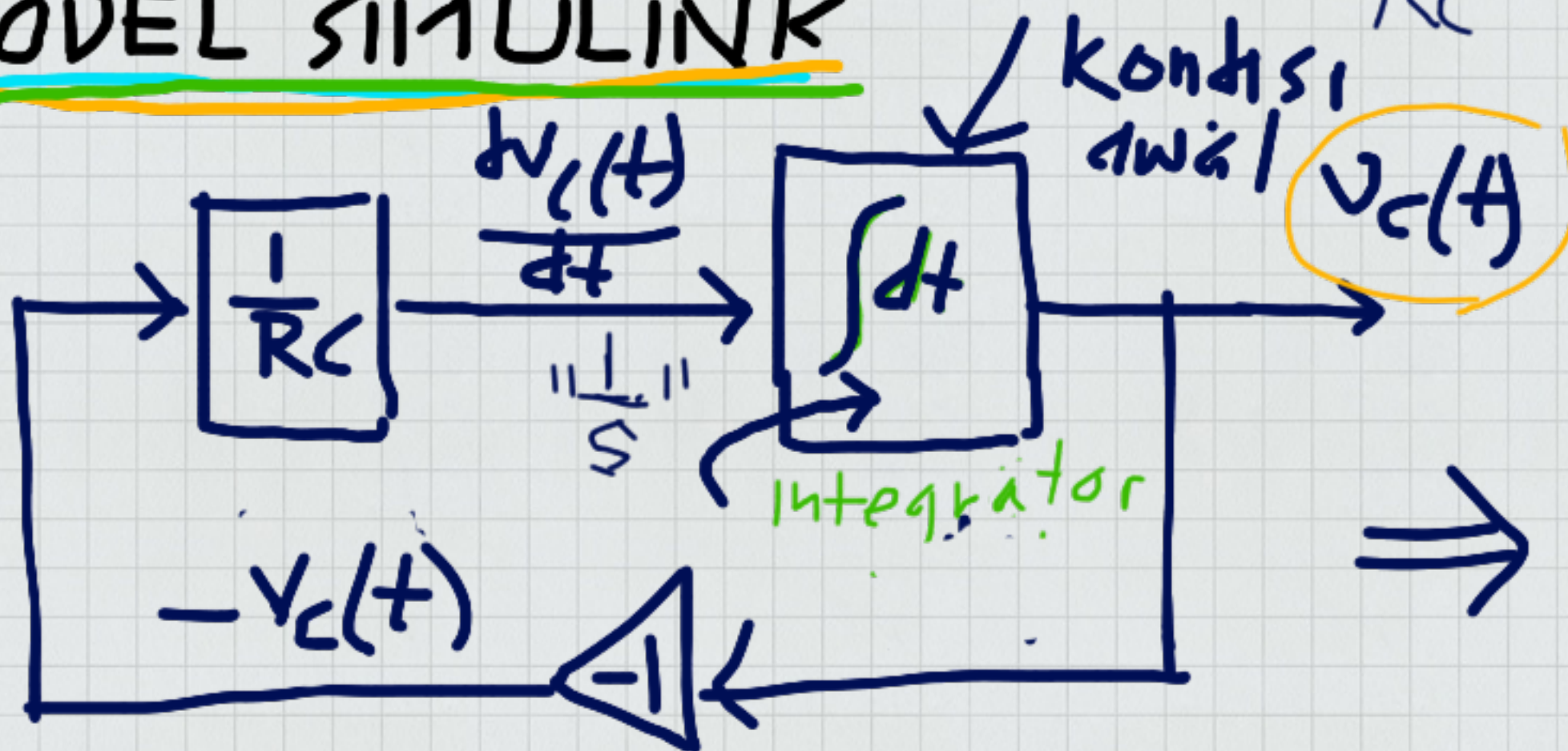
check $\frac{dv_c(t)}{dt} = -\frac{1}{RC} v_c(t) \quad ???$

$$v_c(t) = 10e^{-t/RC} \rightarrow \frac{dv_c(t)}{dt} = -\frac{1}{RC} \underbrace{(10e^{-t/RC})}_{v_c(t)}$$

Jadi sudah benar

$$= -\frac{1}{RC} v_c(t)$$

MODEL SIMULINK



$\Rightarrow$ Simulink
eMATLAB