

* Model Simulink

* Hukum Ohm:

$$\Rightarrow i(t) = C \frac{dV_C(t)}{dt} \rightarrow \frac{dV_C(t)}{dt} = \frac{1}{C} i(t)$$

$$\Rightarrow V_S(t) - V_C(t) = R i(t) + L \frac{di(t)}{dt}$$

$$\frac{di(t)}{dt} = \frac{1}{L} [V_S(t) - V_C(t) - R i(t)]$$

