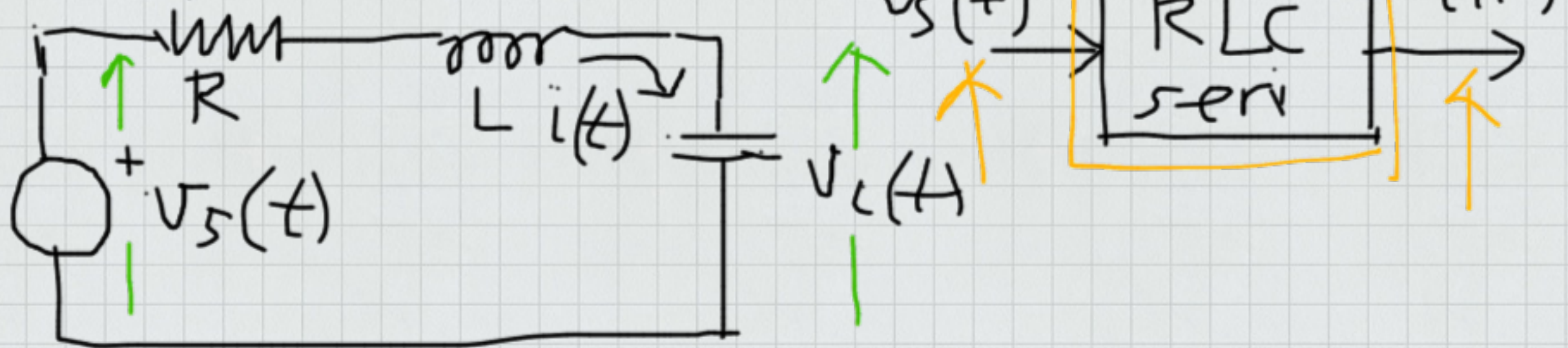


* Contoh ELEKTRIK

Rangkaian Pemuatan Kapasitor
melalui R-L seri



Hukum Ohm:

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

$$(2) \quad i(t) = C \frac{dV_C(t)}{dt} \rightarrow \frac{dV_C(t)}{dt} = \frac{1}{C} i(t)$$

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