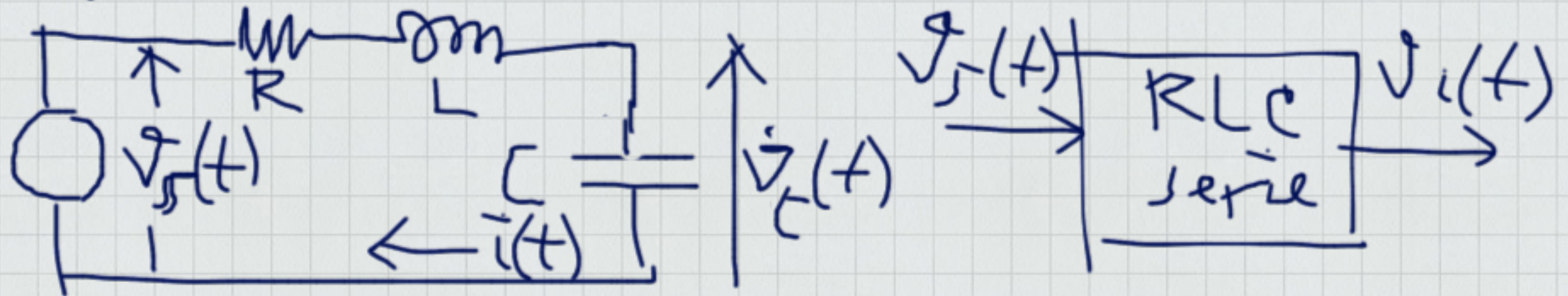


* Contoh Elektrik

Rangkaian Pemuatan Kapasitor melalui R-L seri.



Hukum Ohm: (1) $v_s(t) - v_c(t) = R i(t) + L \frac{di(t)}{dt}$

Pers. Diff: (2) $i(t) = \int \frac{dv_c(t)}{dt}$

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

$$(2) \frac{dv_c(t)}{dt} = \frac{1}{C} i(t)$$

$\Rightarrow$ Bergrak