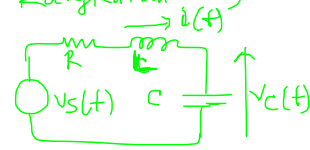


* contoh Elektrik
Rangkaian Pengisian Kapasitor melalui R & L



Itu Krum Ohm:

$$v_s(t) - v_c(t) = Ri(t) + L \frac{di(t)}{dt}$$

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

pers. differensial

Bagan Kotak: $v_s(t) \rightarrow \boxed{RLC_{\text{ser}}} \rightarrow v_c(t)$

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

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

