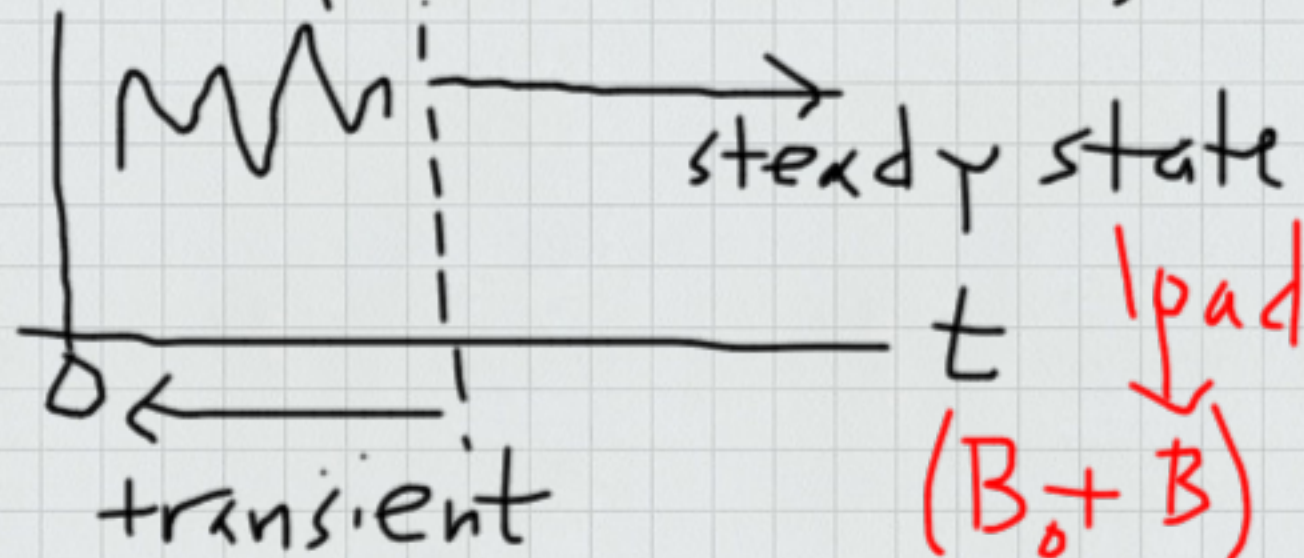


* Static Model $\rightarrow$ no time function
 (Steady state Model) no dynamics



$$\frac{di_a(t)}{dt} = 0$$

$$\frac{d\omega(t)}{dt} = 0$$

$$i_a(t) = I_a$$

$$\omega(t) = \omega$$

$$T(t) = T$$

$$e_a(t) = E_a$$

$$e_b(t) = E_b$$

Dari Pers. (1) dan (2)

$$E_a - E_b - I_a R_a = 0$$

$$T - B\omega = 0 \rightarrow T = B\omega$$

$$T = K_m I_a$$

$$E_b = K_b \omega$$

$$I_a = \frac{B\omega}{K_m}$$

$$\omega = \frac{K_m}{B} I_a$$

$$\rightarrow E_a - K_b \omega - \frac{BR_a}{K_m} \omega = 0$$