

$$v_c(t) = 10(1 - e^{-0.1t})$$

check = Keadaan awal $t=0$, $v_c(0) = 10(1 - e^{-0}) = 0$
 Keadaan akhir $t \rightarrow \infty$, $v_c(\infty) = 10(1 - \frac{1}{\infty}) = 10$

Pada $t = \tau = 10 \rightarrow v_c(t) = 10(1 - e^{-1})$ [Volt]

$$= 10(1 - 0.3678)$$

$$= 10(0.6322) = 6.322 \text{ Volt}$$

