

* Tugas SIMULASI :

No 16 D42110 ABC

D42110 DEF

(a) $B = A, B, C$ dan $K = D, E, F$

(b) $B = A, B, C$ dan $K = D, E, F$

(c) $B = A, B, C$ dan $K = D, E, F$

$B = A, B, C$ (Nsec/cm)

$K = D, E, F$ (Nsec/cm)

(k) $B = 0, A, B, C$

$K = D, E, F$

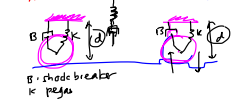
(e) $B = A, B, C$

$K = 0, D, E, F$

KESIMPULAN

PROJECT 2

Sistem SUSPENS SEPEDA MOTOR



Model

$F(t)$ gaya guncang

$F(t)$

$F(t)$

$F(t)$

$F(t)$

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$F(t)$

$F(t) > 0$ guncang naik
 $F(t) < 0$ guncang turun

MODEL SIMULINK

* Tugas Pengukuran :

* Mengukur l [cm], jarak roda depan & belakang

* Mengukur d [cm], tinggi tempat duduk

* Mengukur batas atas/bawah dari tempat duduk

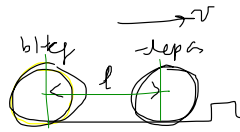
* Mengukur d_1 dan d_2 , posisi tidur/lobang [cm]

* Info berat motor [kg] dan berat badan [kg]

* Tugas perhitungan -

* Menghitung Δ (sec)

* Menghitung t_1 dan t_2 dari d_1 dan d_2



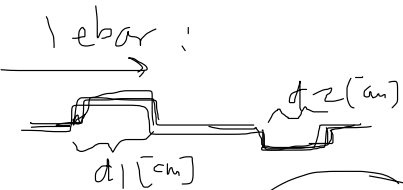
- roda depan terguncang pada jam 10:00:00

- roda belakang terguncang pada jam 10:00:00

sterminy pada l (puncak roda)

dan v (kecepatan)

$y(t)$ = posisi sesaat pengendara terhadap jalan



d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

d_1 [cm]

d_2 [cm]

VALIDASI

$$\Delta = \frac{l}{v} = \frac{120 \text{ cm}}{416,66 \text{ cm/sec}} = 0,28 \text{ sec}$$