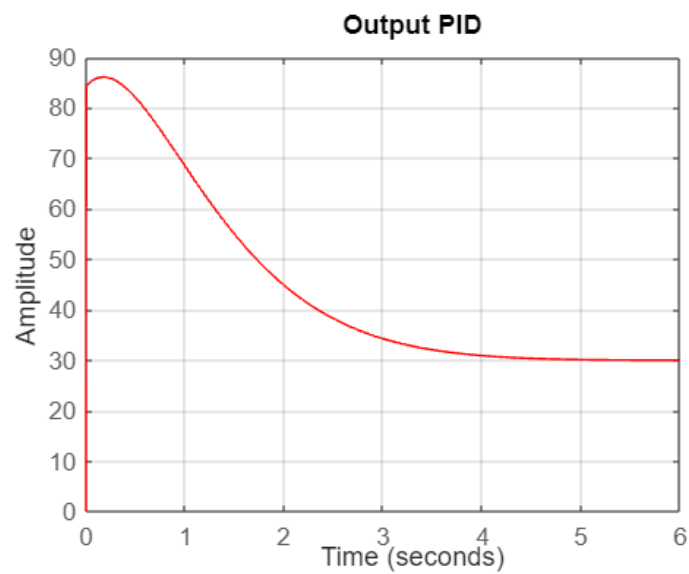
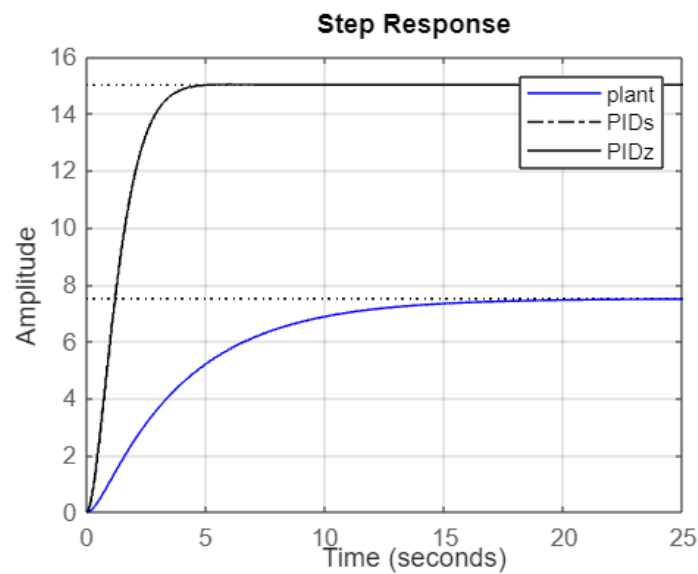


Contoh Output skrip Matlab:



ax\_m = 86.0689



ans = 1x2 struct

Fields	RiseTime	TransientTime	SettlingTime	SettlingMin	SettlingMax	Overshoot	Undershoot	Peak	PeakTime
1	8.5500	15.5500	15.5500	6.7554	7.4983	0	0	7.4983	32.9500
2	2.2000	3.6500	3.6500	13.5280	15.0157	0.1049	0	15.0157	5.9000

Cz =

$$K_p + K_i * \frac{T_s}{z-1} + K_d * \frac{z-1}{T_s}$$

with  $K_p = 5.69$ ,  $K_i = 1.46$ ,  $K_d = 0.141$ ,  $T_s = 0.05$

Sample time: 0.05 seconds

Discrete-time PID controller in parallel form.

[Model Properties](#)