

* $\zeta > 1 \rightarrow$ teredam lebih (overdamped)
 2 pole Real: $G(s) = \frac{K}{(s+a)(s+b)}$

* $\zeta = 1 \rightarrow$ teredam kritis (critically damped)
 2 pole Real KEMBAR

* $0 < \zeta < 1 \rightarrow$ teredam kurang (under damped)
 2 pole Pasangan Komplek

Konjugasi
 $p_{1,2} = a \pm jb$
 $j = \sqrt{-1}$

* $\zeta = 0 \rightarrow$ Undamped oscillation

* $\zeta < 0$
 2 pole pasangan imajiner
 $p_{1,2} = \pm jb$
 $\hookrightarrow$ UNSTABLE