* UJI KETERKENDALIAN

Matrix Keterkondalian (Controllability Matrix) [P]

$$P = [B \quad AB \quad A^2B \quad \cdots \quad A^{n-1}B]$$

$A = [n \times n]$ $\quad [n \times (n*m)]$

$B = [n \times m]$

Kendalian SEPENUHNYA TERKENDALI (completely controllable) jika rank(P) sama dengan n (full-rank)

[Khusus untuk m=1 (single input), P[n×n] ⟶ full rank jika det(P)≠0]