

GAS UNGGUL

Persamaan keadaan gas unggul

$$pV = mRT$$

R = Pemalar gas [kJ/kg.K]

*(malar utk. sesuatu gas,
nilai bergantung kpd. gas)*

$$R = \frac{R_u}{M}$$

R_u = Pemalar Gas Semesta

$$= 8.314 \left[\frac{\text{kJ}}{\text{kmol.K}} \right]$$

M = Berat Molekul Gas $\left[\frac{\text{kg}}{\text{kmol}} \right]$

$$R = \frac{p_1 V_1}{T_1 m_1} = \frac{p_2 V_2}{T_2 m_2}$$