



PETA KONSEP CONCEPT MAP

Kadar Tindak Balas Rate of Reaction

Perubahan kuantiti bahan tindak balas atau hasil tindak balas per unit masa
Change of quantity of reactant or product per unit of time

Jenis tindak balas Types of reaction

Tindak balas cepat
Fast reaction

Tindak balas perlahan
Slow reaction

Menentukan kadar tindak balas Determine the rate of reaction

Kadar tindak balas purata
Average rate of reaction

Kadar tindak balas pada suatu masa
Rate of reaction at a given time

Faktor yang mempengaruhi kadar tindak balas Factors affecting the rate of reaction

Saiz bahan tindak balas
Size of reactant

Kepekatan
Concentration

Mangkin
Catalyst

Tekanan
Pressure

Suhu
Temperature

Aplikasi kadar tindak balas Application of rate of reaction

Proses Haber
Haber process

Proses Sentuh
Contact process

Suhu / Temperature:
450°C – 550°C
Tekanan / Pressure:
200 atm
Mangkin / Catalyst:
Serbuk besi
Iron filling

Suhu / Temperature:
450°C
Tekanan / Pressure:
1 atm
Mangkin / Catalyst:
Vanadium(V) oksida
Vanadium(V) oxide