

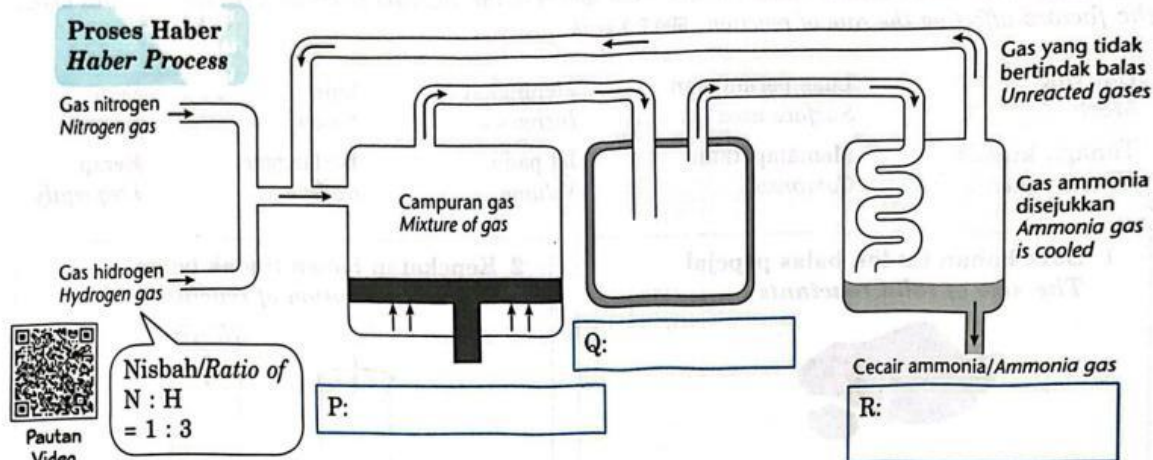
4.4 AKTIVITI PERBINCANGAN

Aplikasi konsep kadar tindak balas The application of the concept of rate of reaction

PBD
STM

SP4.3.1 Buku teks m.s. 134 – 136

1 Penghasilan ammonia secara industri./Industrial ammonia production.



- (a) Labelkan bahagian P, Q dan R pada rajah di atas. **TP1**
Label parts P, Q and R in the diagram above.

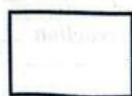
Kebuk penyejukan/Cooling chamber

Reaktor/Reactor

Pemampat/Compressor

- (b) Lengkapkan persamaan perkataan untuk menunjukkan proses Haber. Kemudian, nyatakan keadaan-keadaan yang diperlukan untuk proses ini. **TP1**
Complete the word equation to show the Haber Process. Then, state the conditions required for the process.

Nitrogen + Hidrogen
Nitrogen + Hydrogen



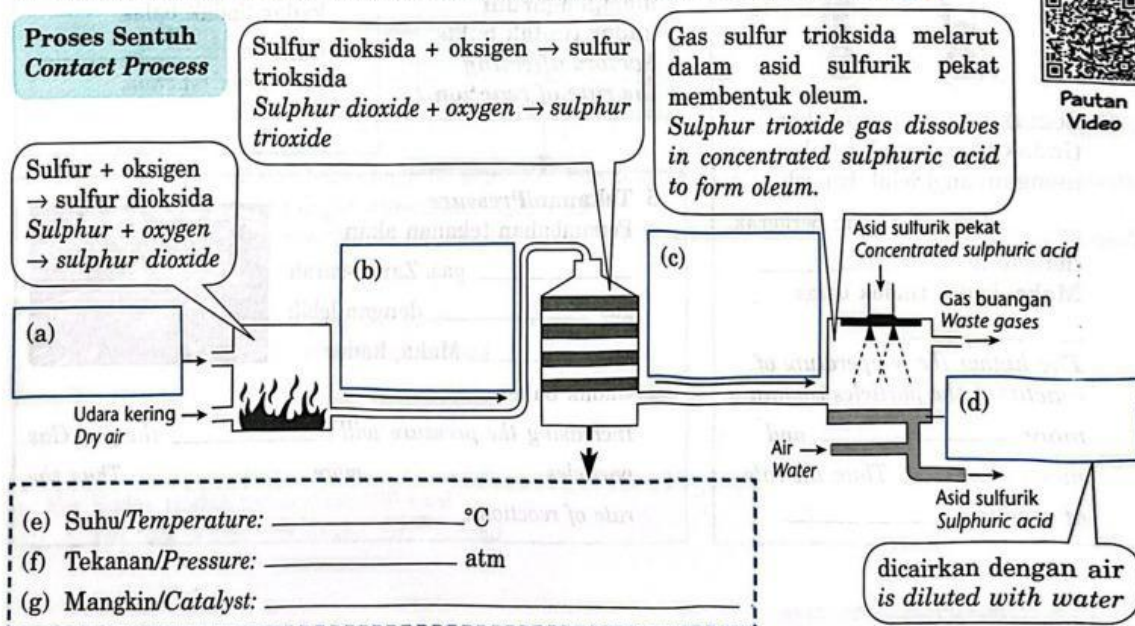
(a) Suhu/Temperature: _____ °C

(b) Tekanan/Pressure: _____ atm

(c) Mangkin/Catalyst: _____

2 Penghasilan asid sulfurik secara industri./Industrial sulphuric acid production. **TP1**

Proses Sentuh Contact Process



1	Oleum	Sulfur	Gas sulfur dioksida	Gas sulfur trioksida	Vanadium(V) oksida
450	Oleum	Sulphur	Sulphur dioxide gas	Sulphur trioxide gas	Vanadium(V) oxide