Tarikh:

6.5 KBAT **AKTIVITI PERBINCANGAN** **Transformer** *Transformer*

PBD Pengukuhan Kefahaman

Buku teks m/s 177 – 178, 180 – 181

1 Bandingkan jenis transformer yang berlainan./*Compare the different types of transformers.* TP2

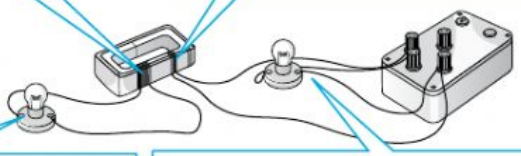
Turun *Step-down*	Malap *Dimly*	Banyak *Many*	Lebih tinggi *Higher*	Primer *Primary*
Kurang *Few*	Sekunder *Secondary*	Terang *Brightly*	Naik *Step-up*	Lebih rendah *Lower*

(a)

(i) Gegelung _____ mempunyai _____ bilangan lilitan dawai.
The _____ coil has _____ turns of wire.

(ii) Gegelung _____ mempunyai _____ bilangan lilitan dawai.
The _____ coil has _____ turns of wire.

(v) Transformer injak _____ _____ *transformer*



(iv) Voltan output adalah _____.
Output voltage is _____.
Mentol menyala dengan _____.
The bulb lights up _____.

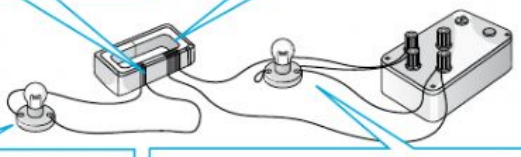
(iii) Voltan input adalah _____.
Input voltage is _____.
Mentol menyala dengan _____.
The bulb lights up _____.

(b)

(i) Gegelung _____ mempunyai _____ bilangan lilitan dawai.
The _____ coil has _____ turns of wire.

(ii) Gegelung _____ mempunyai _____ bilangan lilitan dawai.
The _____ coil has _____ turns of wire.

(v) Transformer injak _____ _____ *transformer*

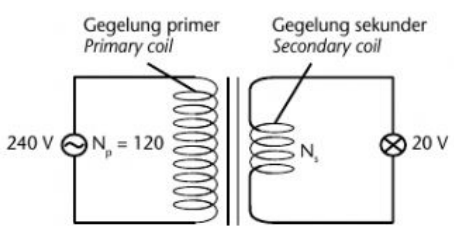


(iv) Voltan output adalah _____.
Input voltage is _____.
Mentol menyala dengan _____.
The bulb lights up _____.

(iii) Voltan input adalah _____.
Input voltage is _____.
Mentol menyala dengan _____.
The bulb lights up _____.

Praktis Kendiri

2 Hitungkan bilangan gegelung dawai sekunder, N_s. TP3/KBAT
Calculate the number of wire turns of the secondary coil, N_s.



$$\frac{V_p}{V_s} = \frac{N_p}{N_s}$$

AKTIVITI *HANDS-ON*

Eksperimen Wajib 10:
Membina transformer injak naik dan injak turun
(rujuk silang m.s.195 – 196)
Compulsory Experiment 10:
Building step-up and step-down transformers
(cross-reference pp. 195 – 196)

BAB 6