

SP LS	6.2.1	Menjalankan eksperimen membina transformer injak naik dan injak turun. <i>Conducting experiments to build a step up and step down transformer.</i>	
	6.2.2	Berkomunikasi tentang transformer dan fungsi transformer dalam penggunaan peralatan elektrik di rumah. <i>Communicate about transformers and functions of transformer in the use of electrical appliances at home.</i>	
	6.2.3	Menyediakan masalah berkaitan transformer menggunakan rumus. <i>Solve problems related to transformers using the formula.</i>	
EMK		Sains dan teknologi / <i>Science and technology</i>	
Nilai Murni Moral Value		Rajin dan tabah dalam menjalankan atau menceburi sesuatu perkara <i>Diligent and persistent in running or venturing something</i>	

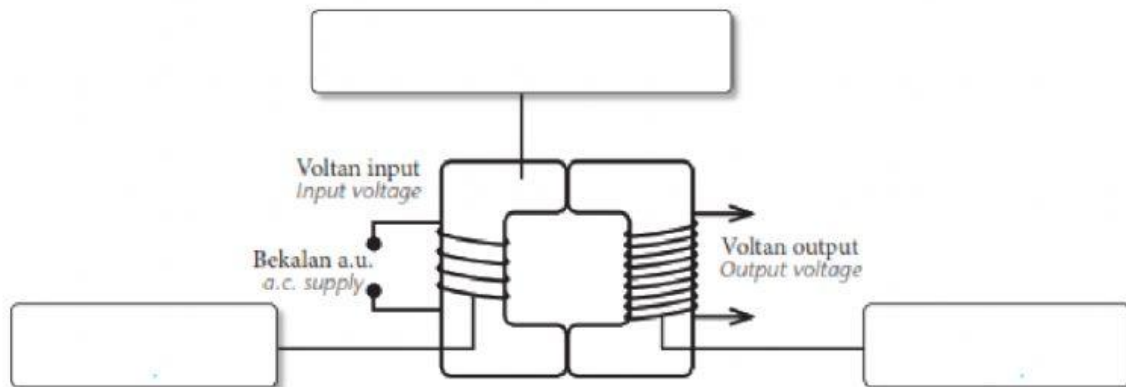
Transformer Injak Naik dan Injak Turun Step-up and Step-down Transformer

Rujuk buku teks muka surat 177
Refer textbook page 177

- Transformer merupakan satu alat yang boleh meningkatkan atau menurunkan _____ arus ulang-alik.
A transformer is a device that can bring up or bring down the _____ of an alternating current. [TP2]
- Transformer terdiri daripada 3 bahagian: / *A transformer is made up of 3 parts:*
 - Teras besi lembut yang mempunyai banyak lapisan besi nipis digelar _____ untuk mengurangkan kehilangan tenaga dalam bentuk _____. / *Soft iron core that consists of many layers of thin iron layer called _____ to reduce energy loss in the form of _____.*
 - _____ – Gegeleung dawai yang menerima voltan input.
_____ – *The coil of wire that receives the input voltage.*
 - _____ – Gegeleung dawai yang menghasilkan voltan output
_____ – *The coil of wire that produces the output voltage.*

- 3 Label bahagian-bahagian transformer di dalam rajah di bawah dengan kata-kata yang diberi.
 Label the parts of a transformer in the diagram below with the words provided. [TP3]

Teras besi lembut berlamina Laminated soft iron core	Gegelung primer Primary coil	Gegelung sekunder Secondary coil
---	---------------------------------	-------------------------------------



- 4 Terdapat dua jenis transformer: / There are two types of transformers:

- (a) _____
 (b) _____