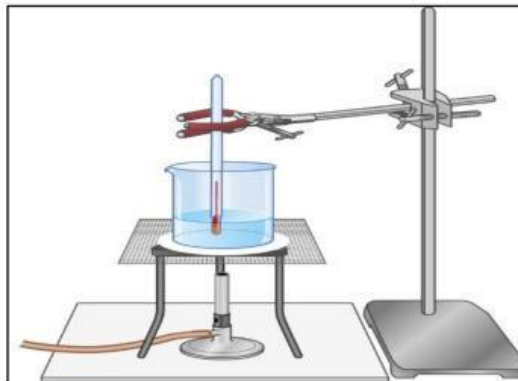


BAHAGIAN C/ SECTION C**[32 markah / 32 Marks]**

- 1 Daud hendak menyiasat tentang perubahan suhu air apabila dipanaskan. Dia telah menyediakan alat dan bahan seperti dalam rajah bi bawah.

Daud wants to investigate about the changes of temperature of water when heated. He prepares the apparatus and materials as in following diagram.



Masa pemanasan air (minit)					
<i>Heating time of water (minute)</i>	2	4	6	8	10
Suhu air (°C)					
<i>Temperature of the water (°C)</i>	24	45	65	85	100

- (a) Rekodkan bacaan dalam jadual di atas ke dalam graf yang disediakan di bawah.

Record the readings in the table above into the graph provided below.

Suhu air ($^{\circ}\text{C}$)

Temperature of the water ($^{\circ}\text{C}$)



Masa (minit)

Time (minute)

[2 markah / 2 marks]

- (b) Nyatakan corak perubahan suhu dari minit ke-2 hingga ke-10.

State the trend of change in temperature of the water from 2nd to 8th minutes.

[1 markah / 1 mark]

- (c) Berdasarkan penyiasatan ini, nyatakan

Based on this investigation, state

- (ii) Pemboleh ubah dimanipulasi : _____

Manipulated variable: _____

- (ii) Pemboleh ubah bergerak balas: _____

Responding variable: _____

[2 markah / 2 marks]

- (d) Penunu bunsen itu dibiarkan menyala sehingga 15 minit dan didapati suhu air tersebut masih kekal 100 °C. Mengapakah suhu air tidak meningkat selepas minit ke-10?

The Bunsen burner was left burning until 15 minutes and it was found that the temperature of water maintained at 100°C. why didn't the temperature of water increases after the 10th minute?

[1 markah / 1 mark]