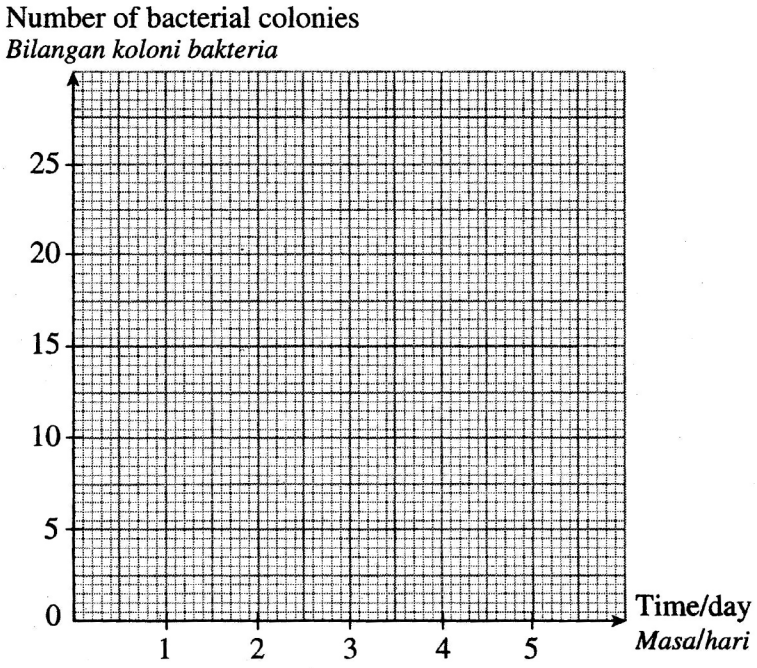
3. In an experiment, a bacteria *Basillus subtilis* is cultured in a petri dish containing nutrient agar for five days at 37°C.
Dalam suatu eksperimen, bakteria Basillus subtilis dikulturkan dalam piring petri yang mengandungi agar nutrien selama lima hari pada suhu 37°C.

The result of the experiment is shown in Table 3.
Keputusan eksperimen ditunjukkan dalam Jadual 3.

Day *Hari*	**Number of bacterial colonies** *Bilangan koloni bakteria*
1	8
2	15
3	19
4	21
5	22

Table 3
Jadual 3

(a) Using data in Table 3, draw a graph of the number of bacterial colonies against time.
Dengan menggunakan data dalam Jadual 3, *lukis graf bilangan koloni bakteria melawan masa.*



[2 *marks*]
[2 *markah*]

(b) What is the relationship between the number of bacterial colonies and time?
Apakah hubungan antara bilangan koloni bakteria dengan masa?

[1 *mark*]
[1 *markah*]

(c) Predict the number of bacterial colonies produced on the 6th day.
Ramalkan bilangan koloni bakteria yang terhasil pada hari ke-6.

[1 *mark*]
[1 *markah*]