

Peperiksaan Percubaan SPM 2024  
Ujian Amali Biologi  
Pembukaan Skema Jawapan

Contoh jawapan:  
Sample answers:  
(a)

Tabung uji Test tube	Kepekatan ampaian kanji (%) <i>Concentration of starch suspension (%)</i>	Perubahan warna larutan dalam tabung uji <i>Color change of the solution in test tube</i>	
		Warna awal <i>Initial color</i>	Warna akhir <i>Final color</i>
X	0.2	Biru gelap/ <b>Biru hitam/</b> <b>Biru</b> <i>Dark blue/ Blue black/</i> <i>Blue</i>	Perang/ Kuning/ <b>Kuning</b> <b>keperangan/ Perang</b> <b>kekuningan/ Kuning</b> <b>kehitaman</b>  <i>Brown/ Yellow/ Brownish</i> <i>yellow/ Yellowish brown/</i> <i>Blackish yellow</i>  <b>Reject:</b> <b>Ungu</b> <i>Purple</i>
Y	1.0	Biru gelap/ <b>Biru hitam/</b> <b>Biru</b> <i>Dark blue/ Blue black/</i> <i>Blue</i>	Biru gelap/ <b>Biru hitam/</b> <b>Biru</b> <i>Dark blue/ Blue black/</i> <i>Blue</i>  <b>Reject:</b> <b>Tiada perubahan</b> <i>No changes</i>  <b>Ungu</b> <i>Purple</i>

(b)

Jawapan:

*Answers:*

**Tabung uji X / Test tube X**

Berlaku hidrolisis (ampaian) kanji / substrat oleh enzim amilase

*Hydrolysis of the starch (suspension)/ substrate by amylase occurs*

**Reject: Kadar tindakbalas enzim amilase tinggi**

*Rate of reaction of amylase is high*

**Tabung uji Y / Test tube Y**

Tidak berlaku / tak lengkap hidrolisis (ampaian) kanji / substrat oleh enzim amilase

*No / incomplete hydrolysis of starch (suspension) / substrate by amylase*

**Reject: Kadar tindakbalas enzim amilase low**

*Rate of reaction of amylase is low*