

**SENARAI AWAL PERSEDIAAN MAKMAL**  
**UNTUK PERCUBAAN SPM SESI AKADEMIK 2024/2025**  
**TINGKATAN 5**

| <b>Bil</b> | <b>Radas/Bahan<br/><i>Apparatus/ Material</i></b>                                                                                 | <b>Kuantiti<br/><i>Quantity</i></b> | <b>Ya (✓) / Tidak (X)<br/><i>Yes (✓) / No (X)</i></b> |
|------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| 1          | Silinder penyukat 50 cm <sup>3</sup><br><i>50 cm<sup>3</sup> measuring cylinder</i>                                               | 1                                   | ( )                                                   |
| 2          | Jam randik<br><i>Stopwatch</i>                                                                                                    | 1                                   | ( )                                                   |
| 3          | Termometer<br><i>Thermometer</i>                                                                                                  | 1                                   | ( )                                                   |
| 4          | Spatula<br><i>Spatula</i>                                                                                                         | 1                                   | ( )                                                   |
| 5          | Cawan polistirena<br><i>Polystyrene cup</i>                                                                                       | 3                                   | ( )                                                   |
| 6          | Botol berisi air suling<br><i>Distilled water bottle</i>                                                                          | 1 botol<br><i>1 bottle</i>          | ( )                                                   |
| 7          | <b>5g Serbuk natrium hidroksida</b><br>(dilabel sebagai bahan X)<br><i>5g sodium hydroxide powder</i><br>(labelled as solution X) | 1 pek                               | ( )                                                   |
| 8          | <b>5g Serbuk kalium nitrat</b><br>(dilabel sebagai bahan Y)<br><i>5g potassium nitrate powder</i><br>(labelled as solution Y)     | 1 pek                               | ( )                                                   |
| 9          | <b>5g Serbuk ammonium nitrat</b><br>(dilabel sebagai bahan Z)<br><b>5g ammonium nitrate powder</b><br>(labelled as solution Z)    | 1 pek                               | ( )                                                   |
| 10         | Kertas tisu<br><i>Tissue paper</i>                                                                                                | 1 pek<br><i>1 pack</i>              | ( )                                                   |