|  |  |  |
| --- | --- | --- |
| **Part Name** | **Quantity** | **Unit Cost (RM)** |
| LM7805 Voltage Regulator | 1 | 0.80 |
| LM7812 Voltage Regulator | 1 | 0.80 |
| IR2110 MOSFET Gate Driver | 2 | 3.59 |
| IRF3205 Power MOSFET | 4 | 3.50 |
| STM32F103C8T6 Blue Pill Board | 1 | 16.90 |
| Metal Film Resistors | 8 | 0.10 |
| 1N5819 Diode | 6 | 0.20 |
| 2.2uF 50V Capacitor | 2 | 0.10 |
| 10uF 50V Capacitor | 2 | 0.10 |
| 100uF 25V Capacitor | 2 | 0.10 |
| 100nF Ceramic Capacitor | 4 | 0.10 |
| Breadboard | 3 | 3.60 |
| **Total** | | 53.48 |

Table 1 Project Budget