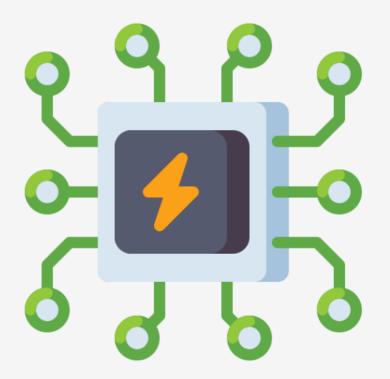






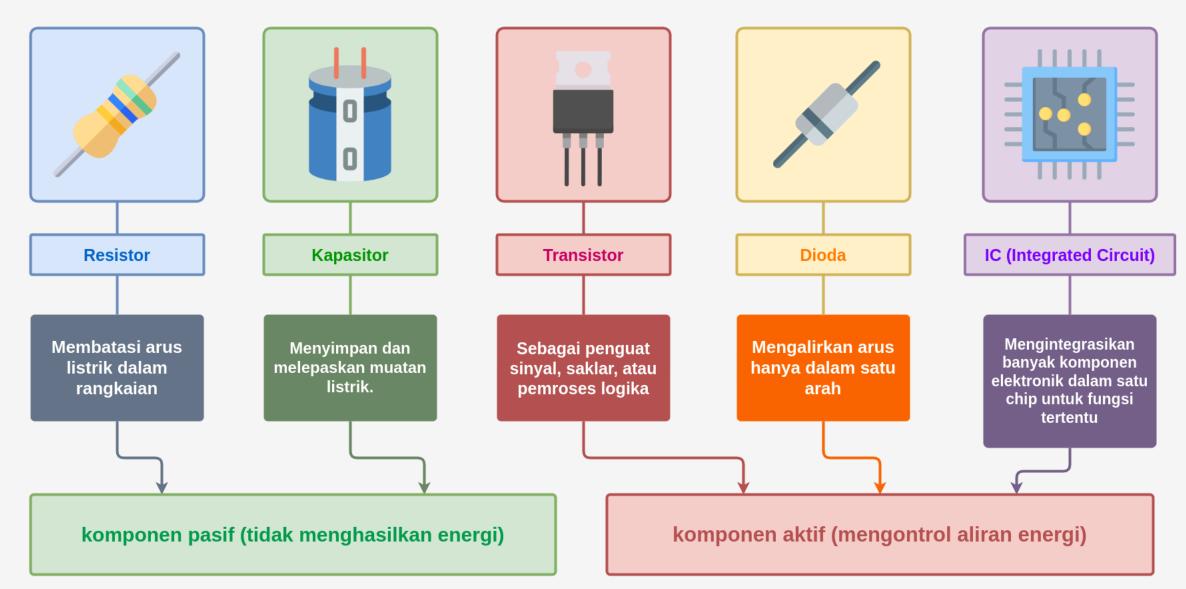
BAB I

Dasar Elektronika



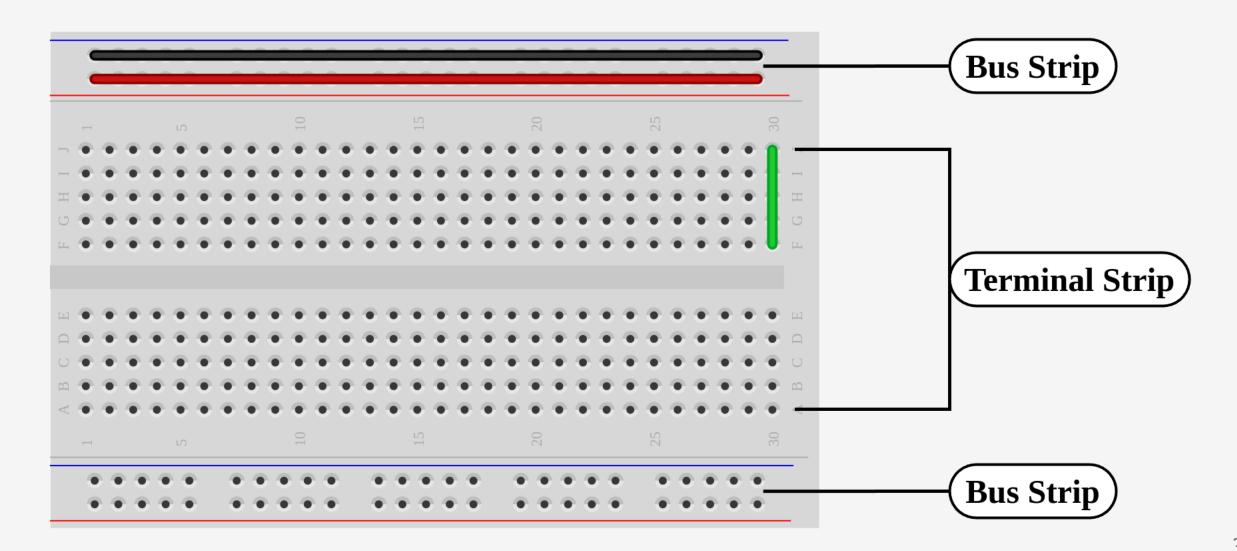
## Komponen Elektronik





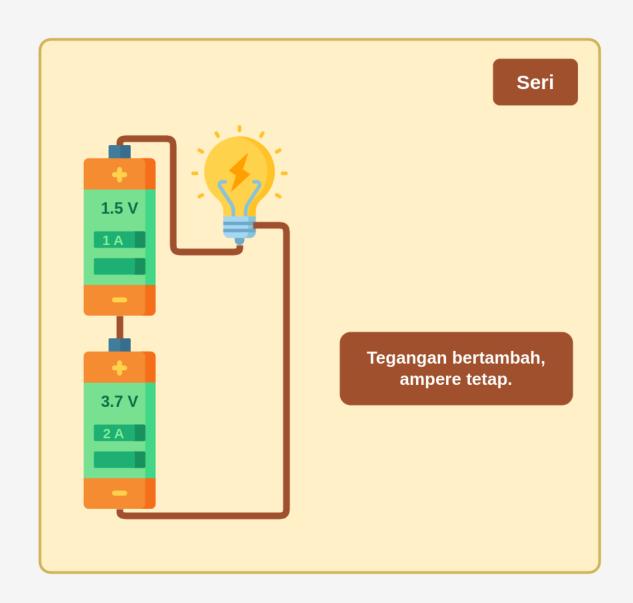
## Breadboard

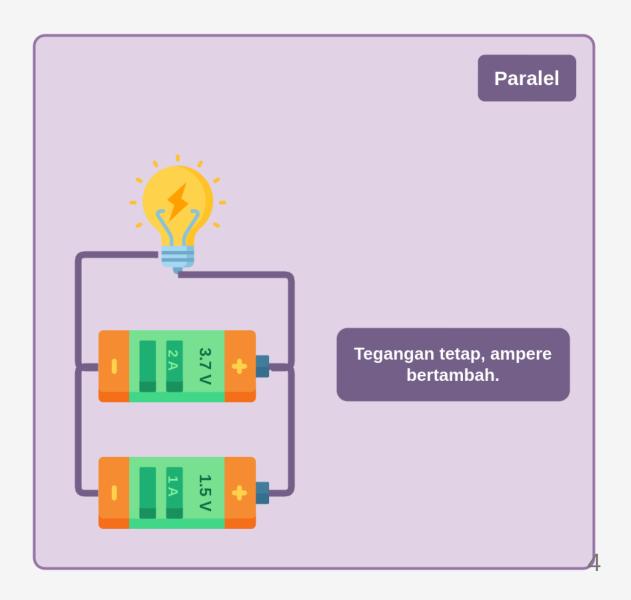




# Rangkaian Dasar

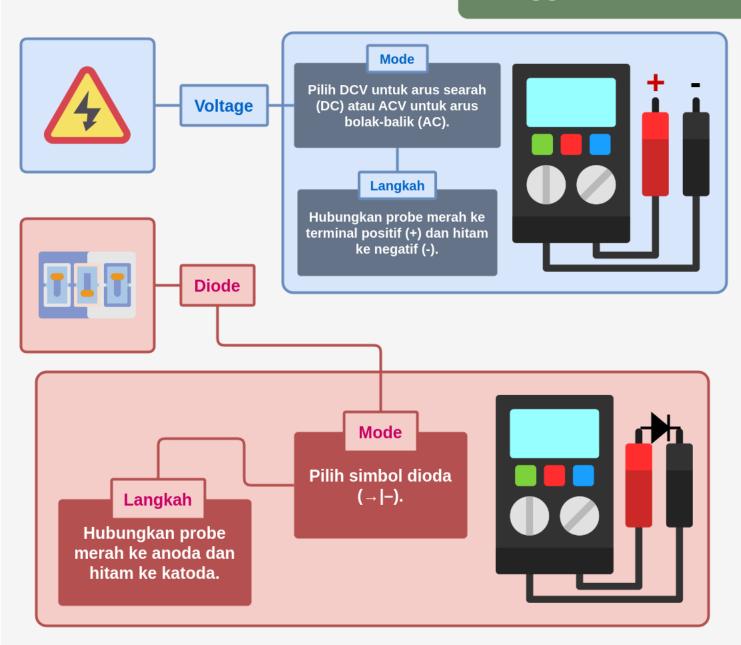


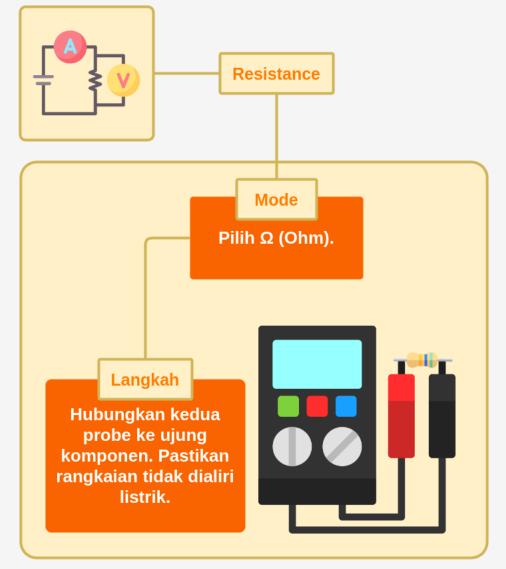




### Penggunaan Multimeter

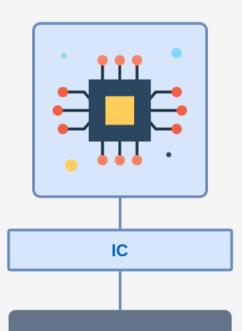






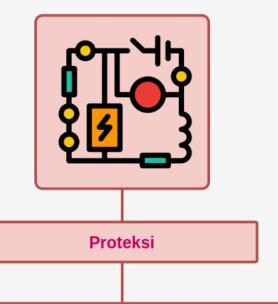
#### Sumber Daya: Modul PowerBank





Pengontrol Pengisian dan Pelepasan (Charge-Discharge Controller)





- Overcharge Protection: Mencegah baterai diisi melebihi batas (misalnya 4.2V untuk baterai Li-ion).
- Overdischarge Protection: Memutuskan aliran daya jika tegangan baterai turun di bawah batas aman (misalnya 2.5V untuk Li-ion).
- Short Circuit Protection: Mendeteksi hubungan pendek dan memutuskan aliran daya untuk mencegah kerusakan.