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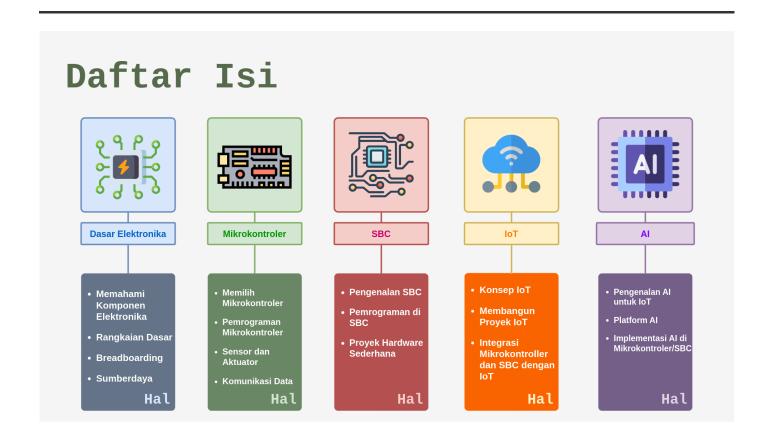




E-Book Materi

Divisi Hadware

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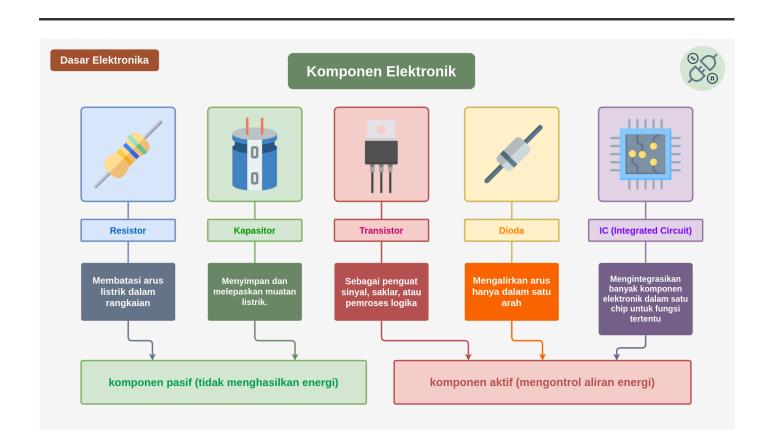








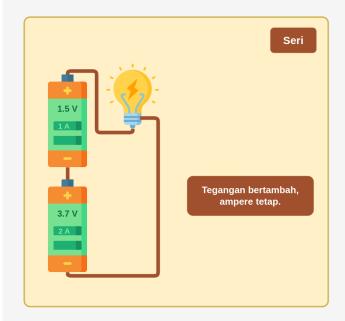
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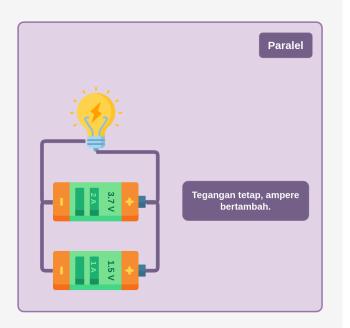


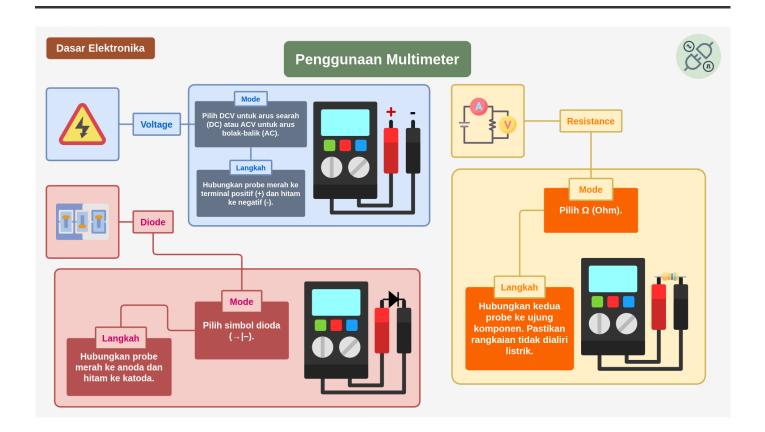


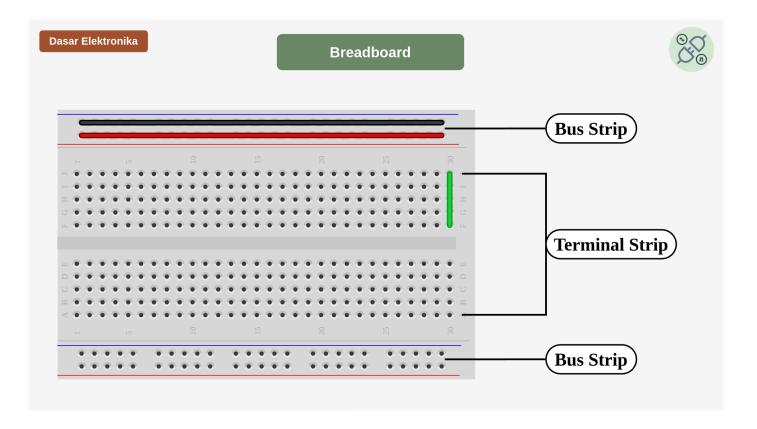
Rangkaian Dasar

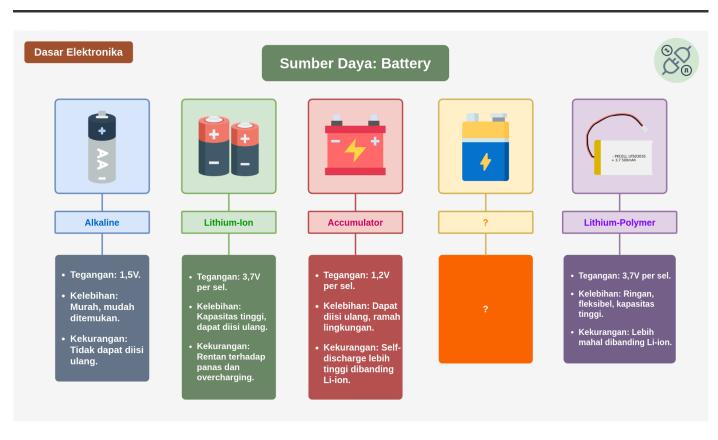








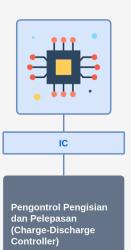




Dasar Elektronika

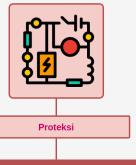
Sumber Daya: Modul PowerBank





Step-Up Converter

Mengubah tegangan baterai (3.7V) menjadi tegangan standar USB (5V)



- 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.