

PRAKTIKUM SISTEM DIGITAL - KELAS B

MODUL 3 :: Gerbang Logika

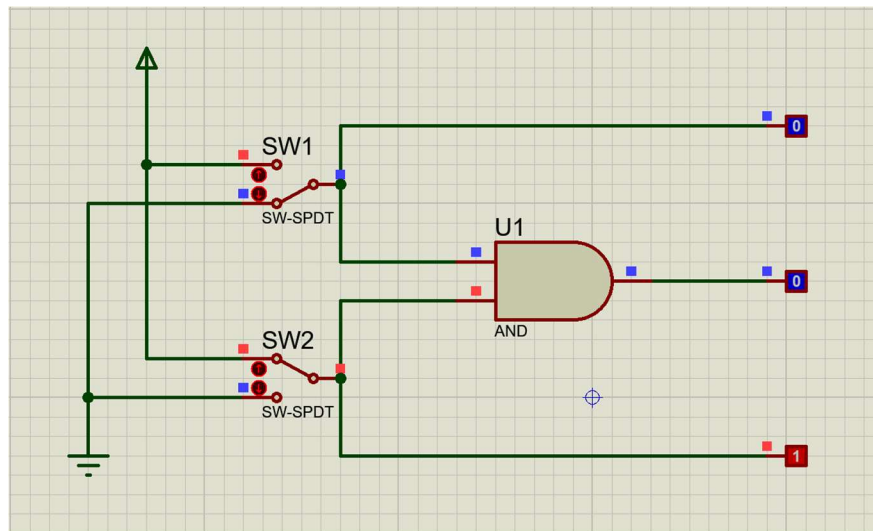
NAMA : MUHAMMAD WAHYU SYAFI'UDDIN

NIM : L200210056

ASISTEN LAB : 1. Endah Puji Rahayu
2. Vita Pratama Putri

1. Percobaan 1 – Gerbang AND

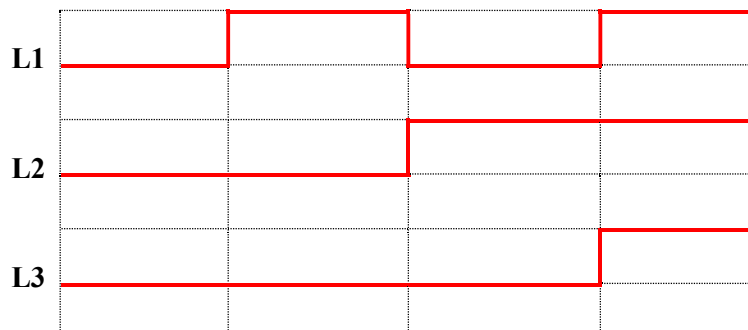
a. Gambar Rangkaian



b. Tabel Kebenaran

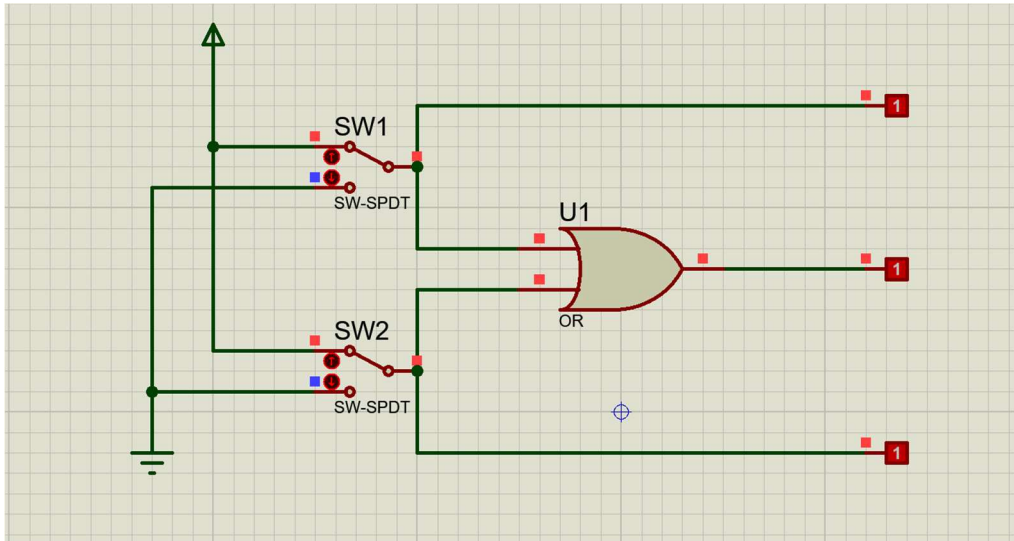
SW1	SW2	L1	L2	L3
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1	0	1	0	0
0	1	0	1	0
1	1	1	1	1

c. Diagram Waktu



2. Percobaan 2 – Gerbang OR

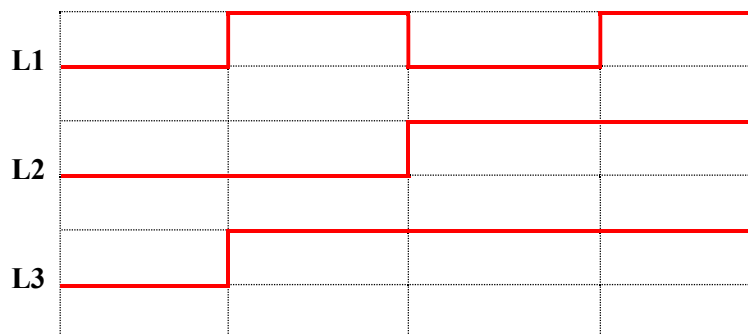
a. Gambar Rangkaian



b. Tabel Kebenaran

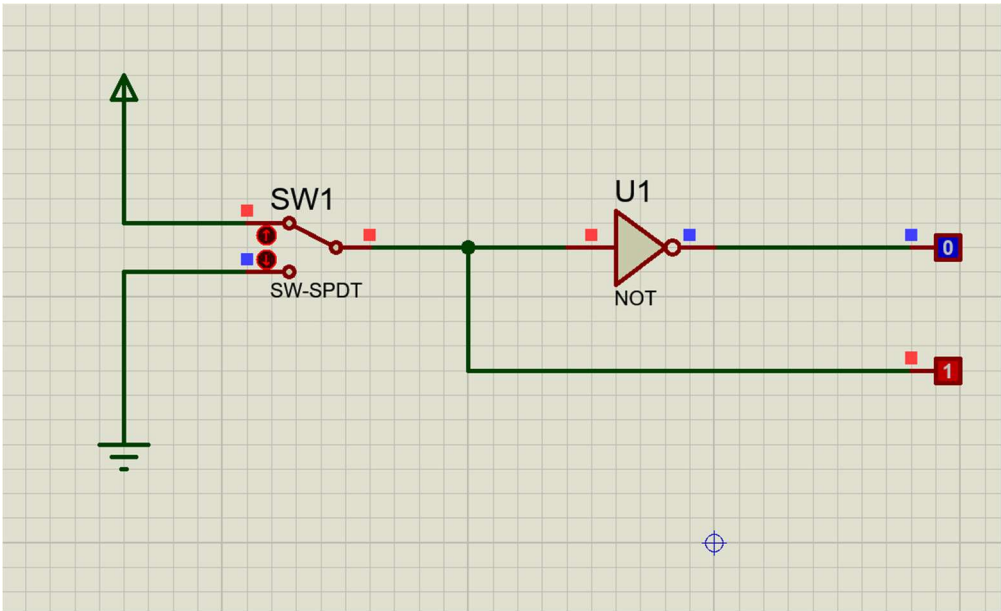
SW1	SW2	L1	L2	L3
0	0	0	0	0
1	0	1	0	1
0	1	0	1	1
1	1	1	1	1

c. Diagram Waktu



3. Percobaan 3 – Gerbang NOT

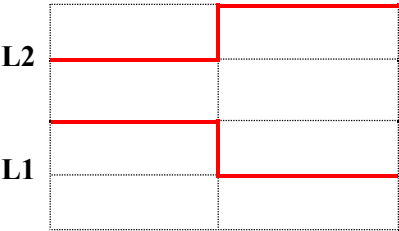
a. Gambar Rangkaian



b. Tabel Kebenaran

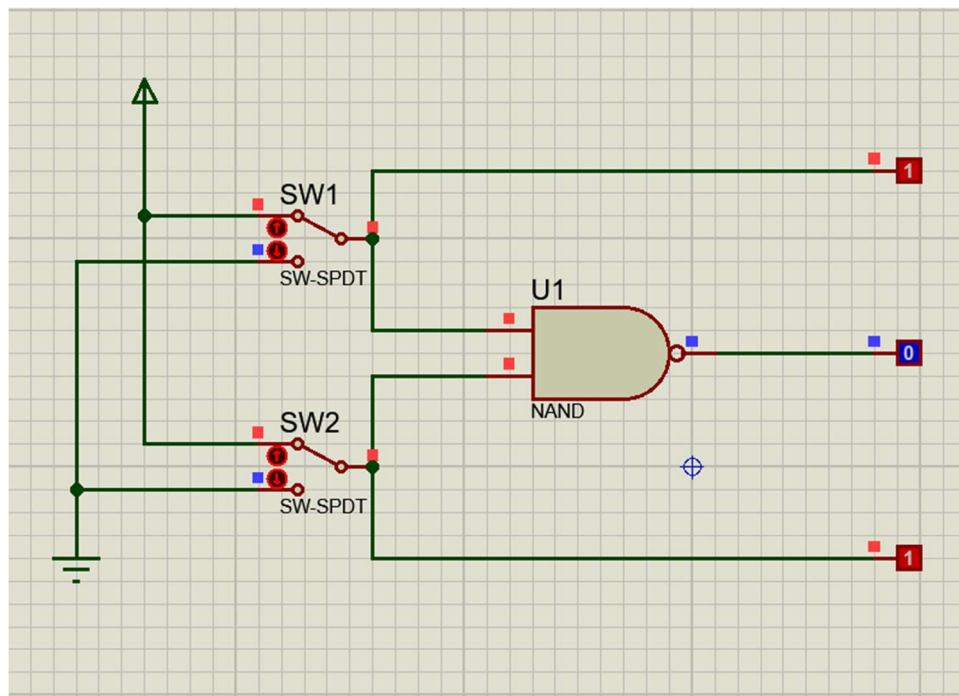
SW1	L2	L1
0	0	1
1	1	0

c. Diagram Waktu



4. Percobaan 4 – Gerbang NAND

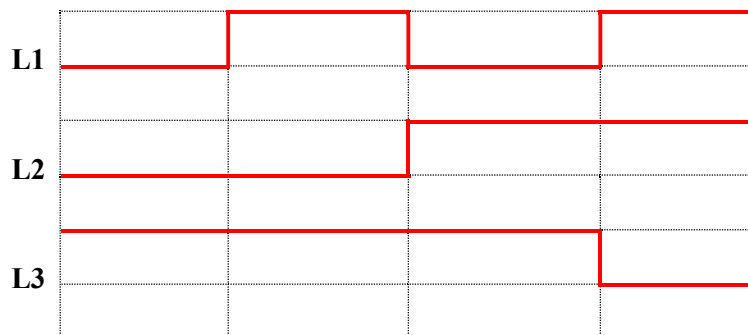
a. Gambar Rangkaian



b. Tabel Kebenaran

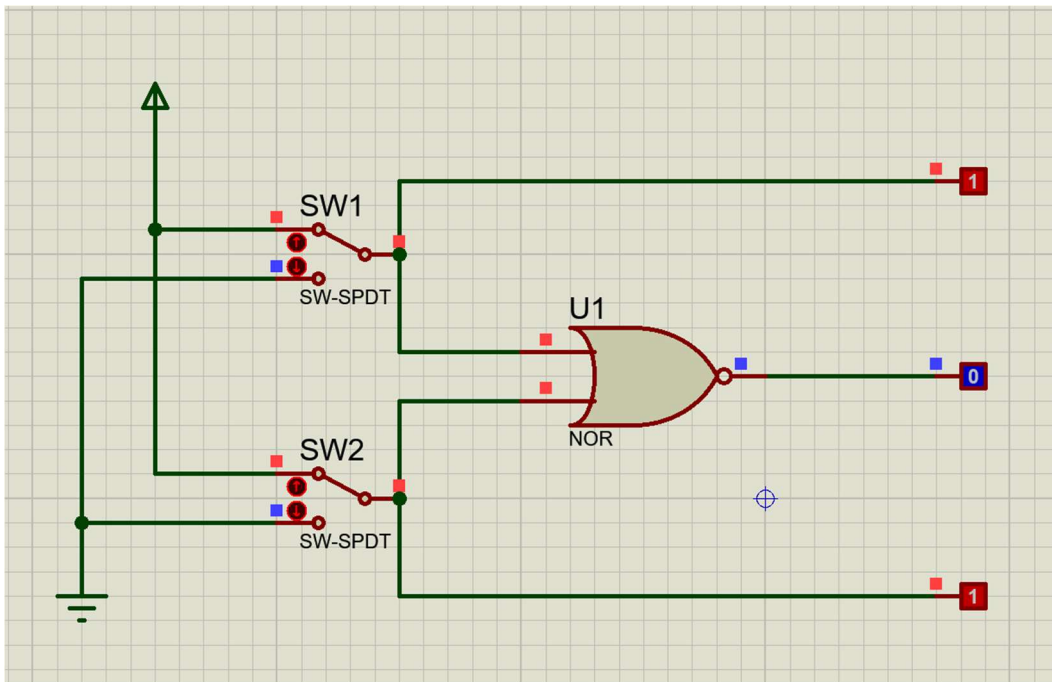
SW1	SW2	L1	L2	L3
0	0	0	0	1
1	0	1	0	1
0	1	0	1	1
1	1	1	1	0

c. Diagram Waktu



5. Percobaan 5 – Gerbang NOR

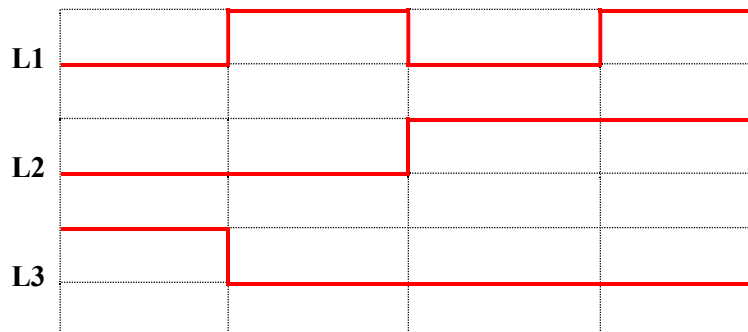
a. Gambar Rangkaian



b. Tabel Kebenaran

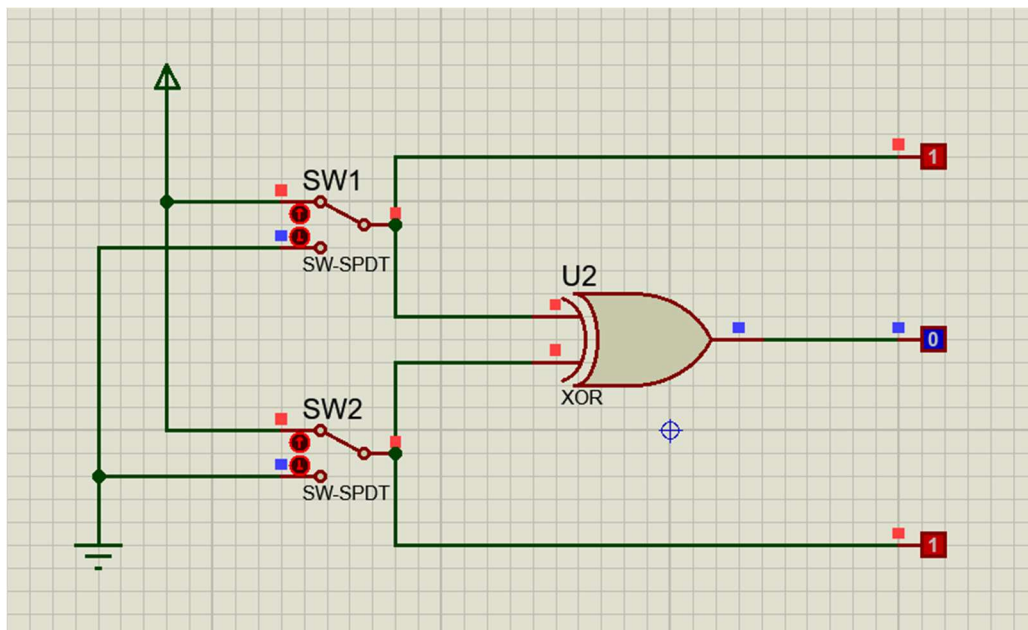
SW1	SW2	L1	L2	L3
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1	0	1	0	0
0	1	0	1	0
1	1	1	1	0

c. Diagram Waktu



6. Percobaan 6 – Gerbang XOR

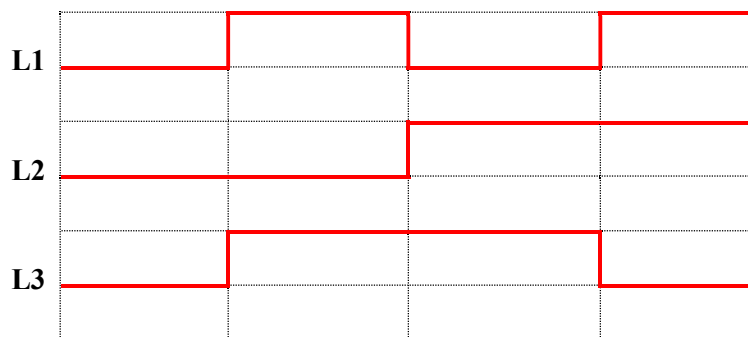
a. Gambar Rangkaian



b. Tabel Kebenaran

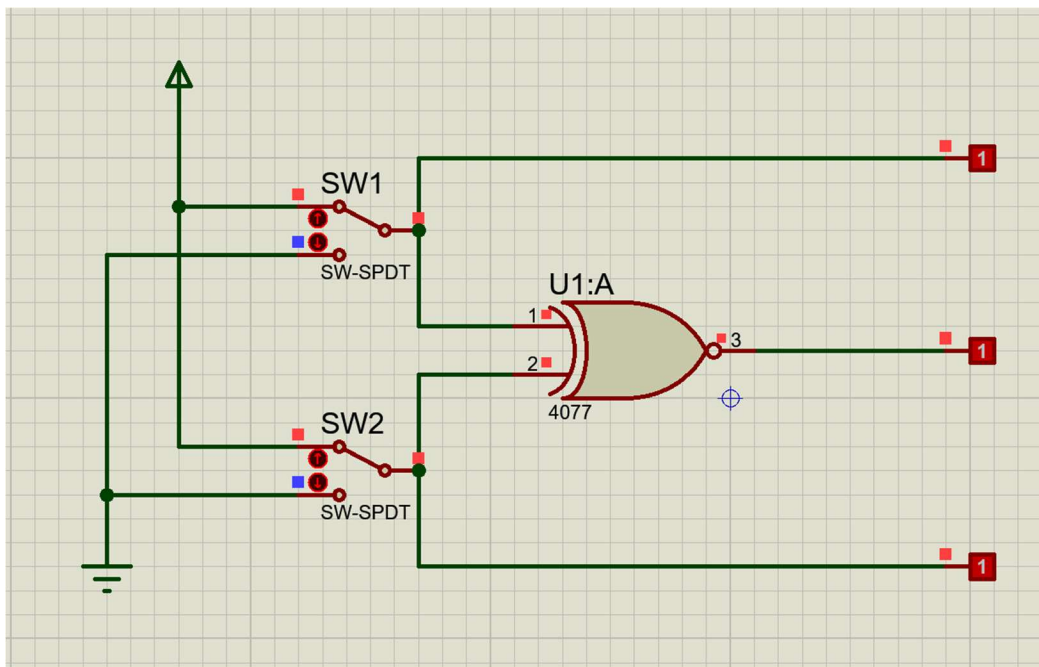
SW1	SW2	L1	L2	L3
0	0	0	0	0
1	0	1	0	1
0	1	0	1	1
1	1	1	1	0

c. Diagram Waktu



7. Percobaan 7 – Gerbang XNOR

a. Gambar Rangkaian



b. Tabel Kebenaran

SW1	SW2	L1	L2	L3
0	0	0	0	1
1	0	1	0	0
0	1	0	1	0
1	1	1	1	1

c. Diagram Waktu

