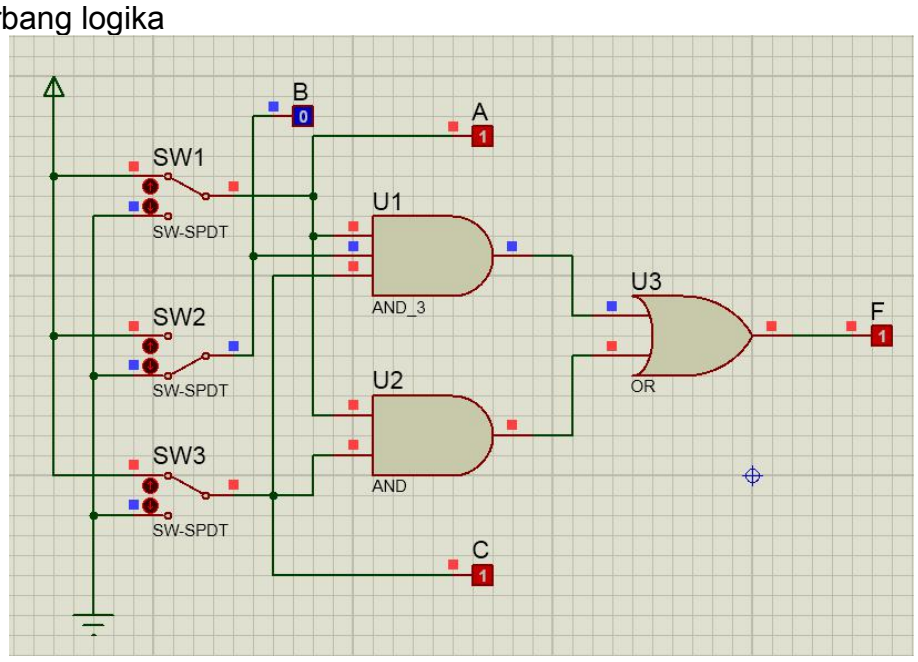
Nama	: Andika Wirapala Fathin Azfar	Kelas	: A
NIM	: L200180014	Tanggal Praktikum	: 20 Maret 2018

Percobaan 1

1. Kombinasi gerbang logika



2. Fungsi Boolean: $F = ABC + AC$

3. Tabel Kebenaran

A	B	C	F
0	0	0	0
1	0	0	0
0	1	0	0
1	1	0	0
0	0	1	0
1	0	1	1
0	1	1	0
1	1	1	1

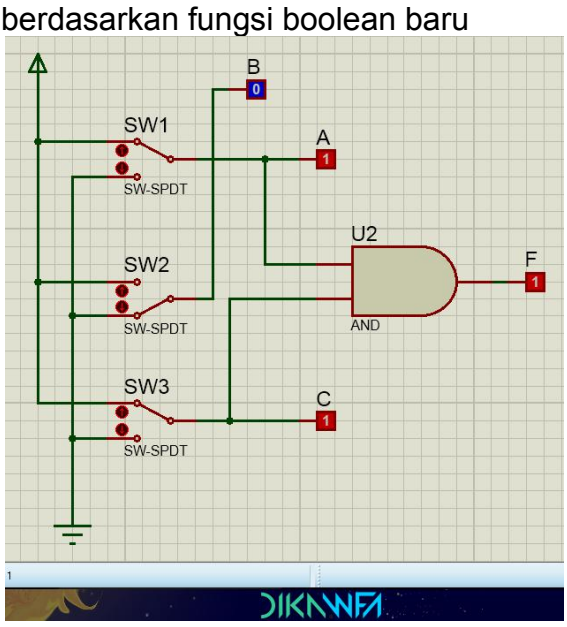
4. Karnaugh Map

		AB			
		00	01	11	10
C	0				
	1			1	1

5. Sederhanakan fungsi boolean berdasarkan Karnaugh Map

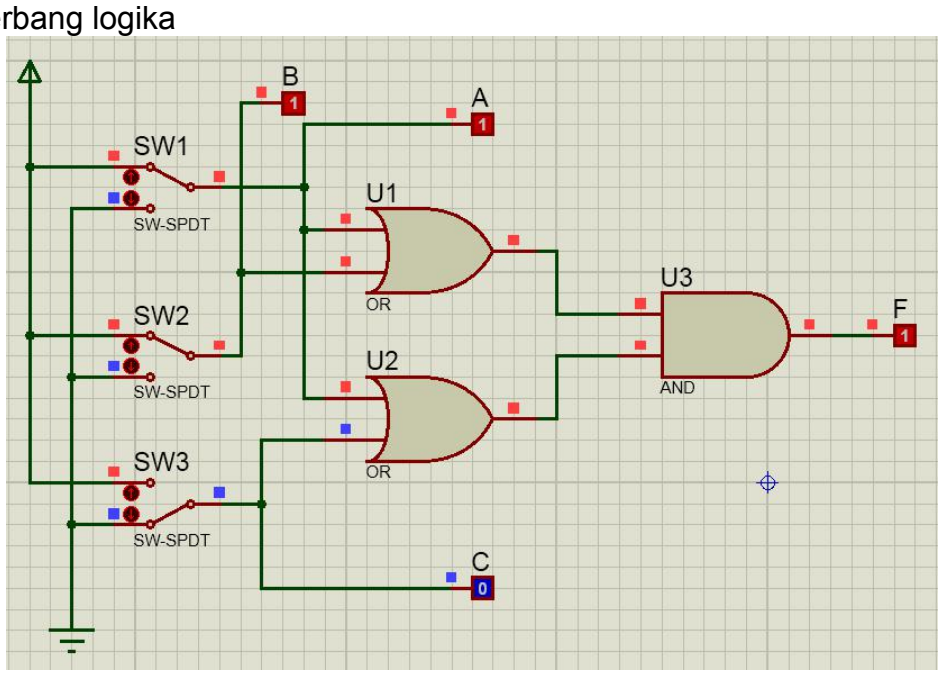
$F = AC$

6. Kombinasi gerbang logika berdasarkan fungsi boolean baru



Percobaan 2

1. Kombinasi gerbang logika



2. Fungsi Boolean: $F = (A+B).(A+C)$

3. Tabel Kebenaran

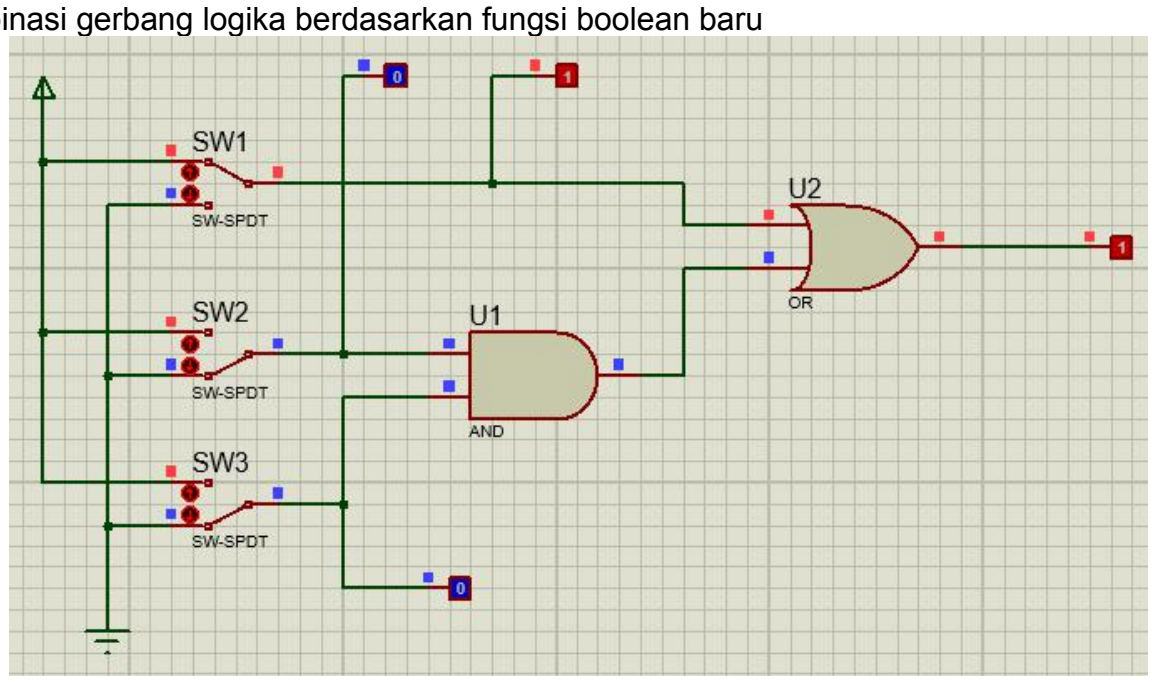
A	B	C	F
0	0	0	0
1	0	0	1
0	1	0	0
1	1	0	1
0	0	1	0
1	0	1	1
0	1	1	1
1	1	1	1

4. Karnaugh Map

		AB			
		00	01	11	10
C	0			1	1
	1		1	1	1

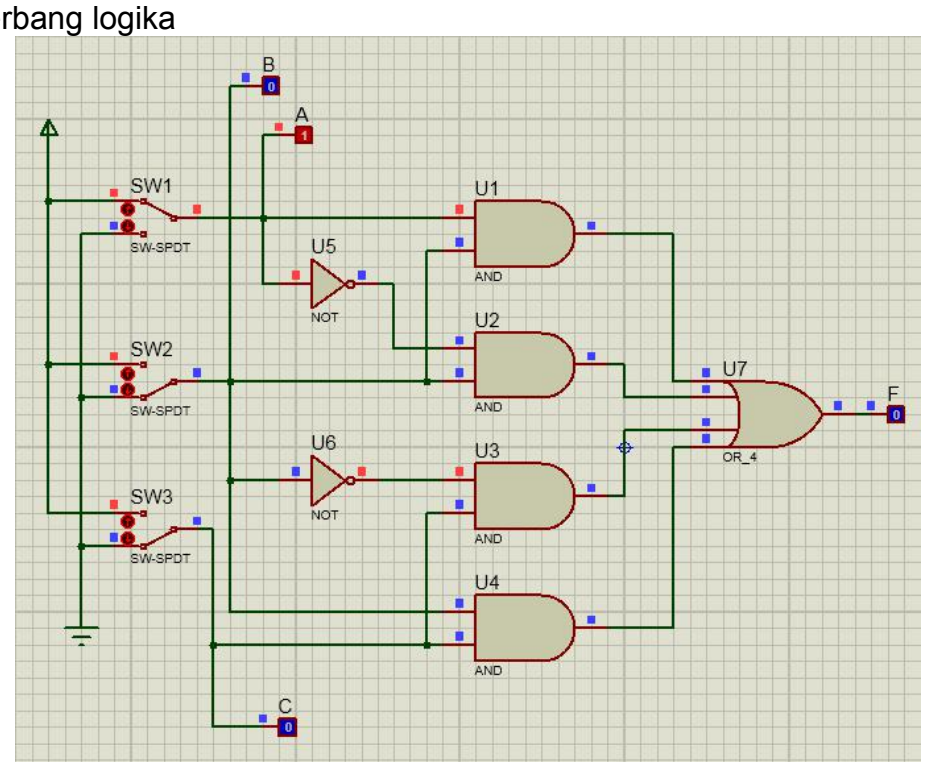
5. Sederhanakan fungsi boolean berdasarkan Karnaugh Map
   $F = A + BC$

6. Kombinasi gerbang logika berdasarkan fungsi boolean baru



Percobaan 3

7. Kombinasi gerbang logika



8. Fungsi Boolean: **F = AB + A'B + B'C + BC**

9. Tabel Kebenaran

A	B	C	F
0	0	0	0
1	0	0	0
0	1	0	1
1	1	0	1
0	0	1	1
1	0	1	1
0	1	1	1
1	1	1	1

10. Karnaugh Map

		AB			
		00	01	11	10
C	0		1	1	0
	1	1	1	1	1

11. Sederhanakan fungsi boolean berdasarkan Karnaugh Map
F = B + C

12. Kombinasi gerbang logika berdasarkan fungsi boolean baru