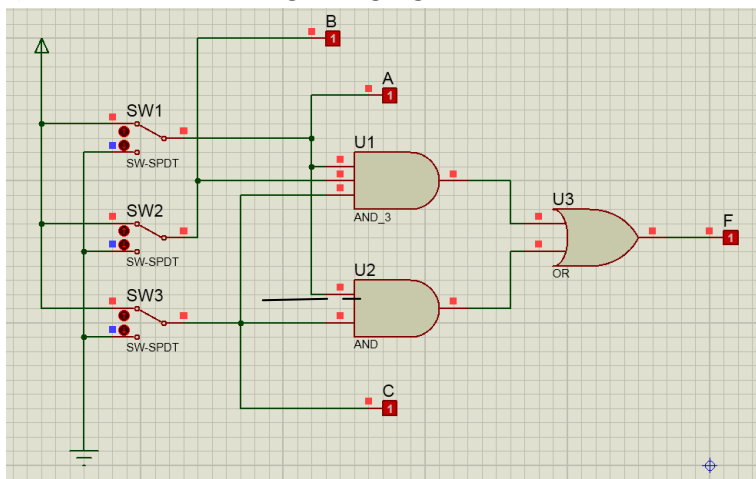


NIM :L200180022
Nama :Moch Afrizal
Nama Asisten :Riza
Tanggal Praktikum : 27 Maret 2019

KEGIATAN PRAKTIKUM

PERCOBAAN 1

a).Membuat kombinasi gerbang logika



b).Fungsi Boolean : $F=ABC+AC$

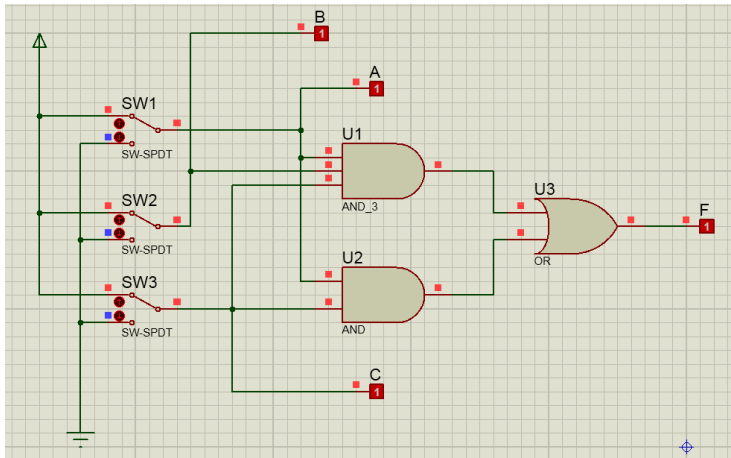
c).Tabel kebenaran

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

d)Karnaugh map

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

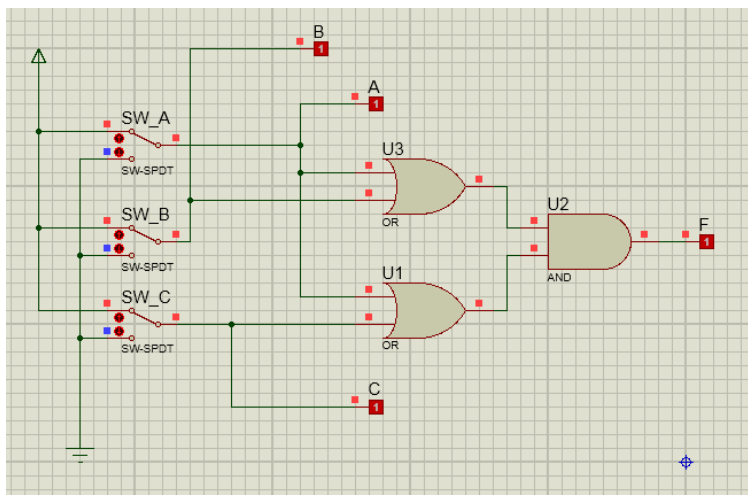
e)Penyerderhanaan Fungsi Boolean : $F=AC$



f)

PERCOBAAN 2

a).Membuat kombinasi gerbang logika



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

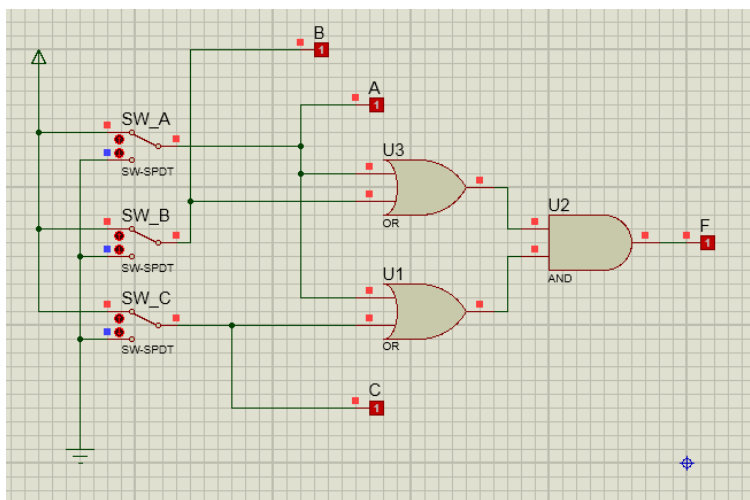
c).Tabel kebenaran

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

d)Karnaugh map

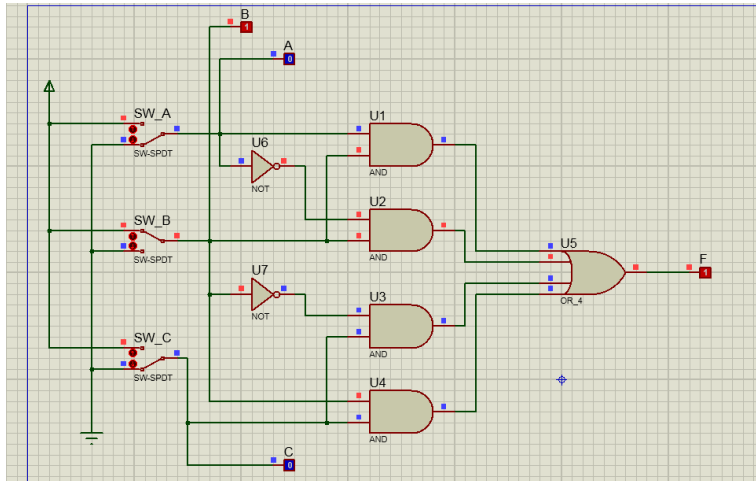
		AB			
		00	01	11	10
C	0	0	0	1	1
	1	0	1	1	1

e)Penyerderhanaan Fungsi Boolean : $F=A+BC$



PERCOBAAN 3

a).Membuat kombinasi gerbang logika



b).Fungsi Boolean : $F=AB+A'B+B'C+BC$

c).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

d)Karnaugh map

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

e)Penyerderhanaan Fungsi Boolean : $F=BC$

