DATA PERCOBAAN I

A. Karakteristik Dioda (1)
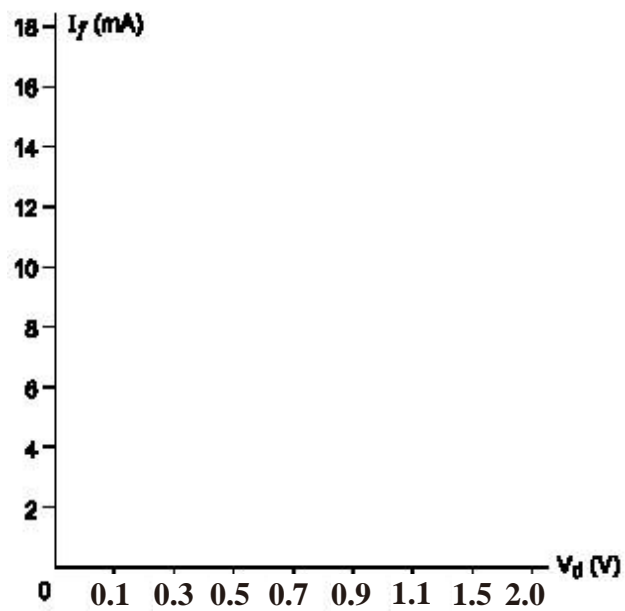
Tabel 1.1

Rangkaian	Arus (mA)
Forward Bias	
Reverse Bias	

B. Karakteristik Dioda (2)

Tabel 1.2

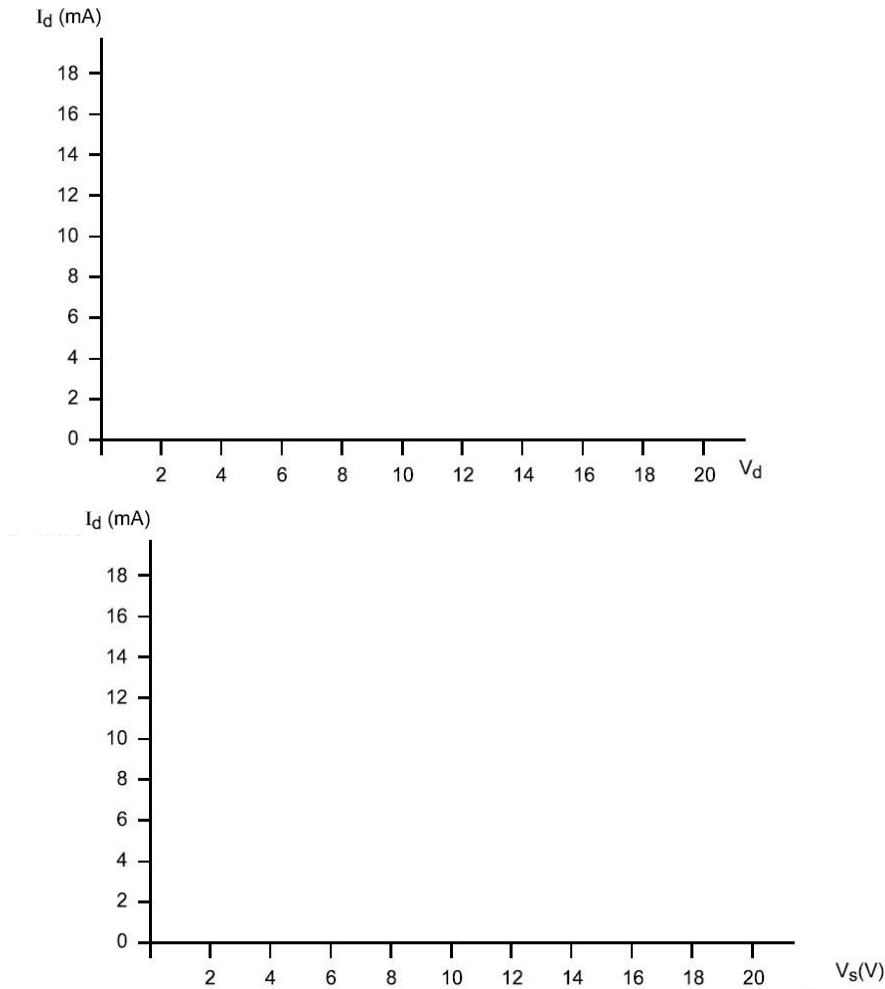| V_s (V)	V_r (V)	$V_d = V_s - V_r$ (V)	$I_f = V_r / 10$ (mA)
0			
0.1			
0.3			
0.7			
0.9			
1.1			
1.5			
2.0			
3.0			

Gambar 1.1

C. Penyearah Setengah Gelombang (Halfwave Rectifier)
$V_R =$ volt (Langkah 2) $V_R =$ volt (Langkah 5)

D. Dioda Zener

Tabel 1.3

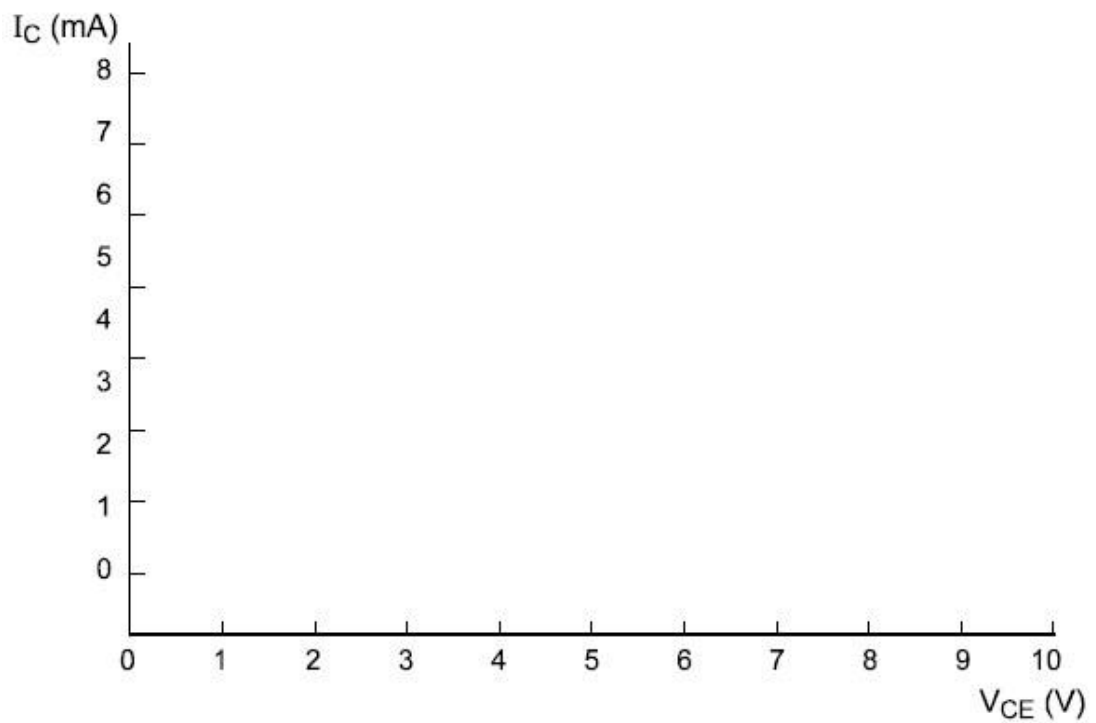| V_s (V)	V_r (V)	$V_d = V_s - V_r$ (V)	$I_d = V_r$ (mA)	$P_d = V_d \times I_d$ (mW)
0				
4				
6				
6.5				
7				
8				
10				

Gambar 1.2 (a. Vd & Id, b.Vd & Is)

DATA PERCOBAAN II

A. Tabel Karakteristik Output Transistor
   Mencari nilai Vce=..... V

		Ic (mA)				
		0,5	1	2	5	10
Ib(uA)	0					
	10					
	30					
	50					

Gambar 2.1

Tabel 2.2

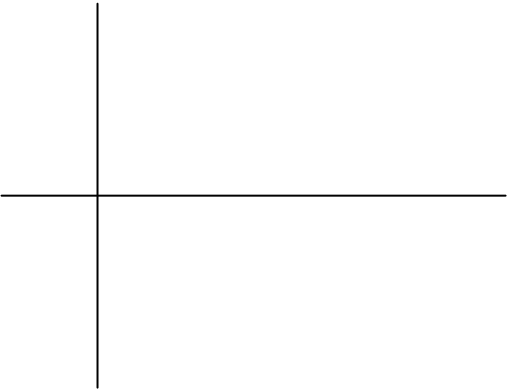| I_B (µA)	I_C
20	

10	
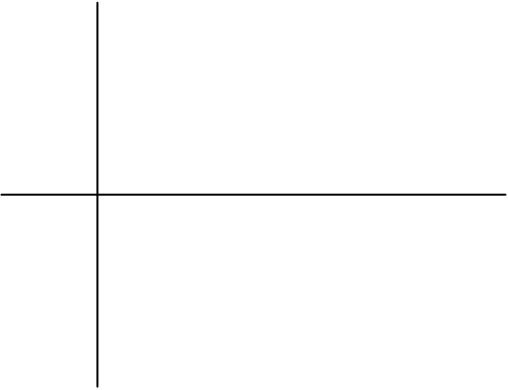
Gambar 2.2

Gambar 2.3

Gambar 2.4

Gambar 2.5

DATA PERCOBAAN III

A. Distorsi

B. Umpan Balik Negatif

C. Pengaruh frekuensi

Tabel 3.1

Frequency	Voltage gain		Phase change (degrees)	
	$R_F = 0$	$R_F = 220\Omega$	$R_F = 0$	$R_F = 220\Omega$
1kHz				
5kHz				
10kHz				
30kHz				
60kHz				
100kHz				

D. Inverter

Tabel 3.2

input	Output (volt)
0	
1	

DATA PERCOBAAN IV

A.Multistage Amplifier - Stage A

- Stage B

- Full stage

B. Phase Shift Oscillator

C.Gerbang NAND

Switch 1	Switch 1	Switch 1	Output (volt)
0	0	0	
0	0	1	
0	1	0	
0	1	1	
1	0	0	
1	0	1	
1	1	0	
1	1	1	

DATA PERCOBAAN V

A.

B.

C