

LAB REPORT 2

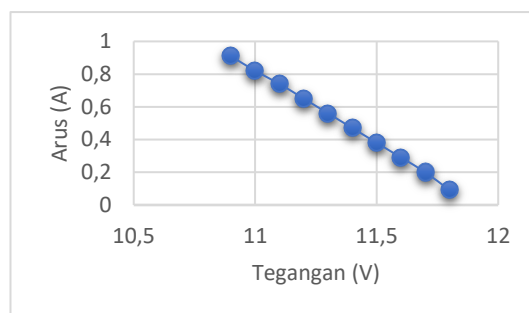
Pertemuan 1. Motor DC – Driver Motor

Nama : Muhammad Hasani
NIM : 20/456555/PA/19742
Tanggal : 6 September 2021
Asisten : Rizki Fajar Kurniawan

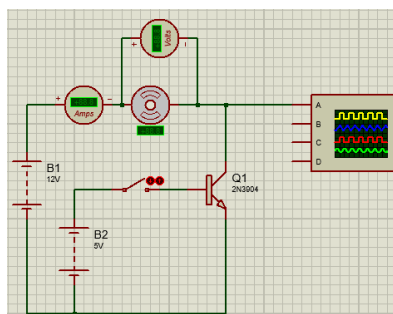
I. Transistor dan Motor DC

No	Tegangan (V)	Arus (A)	Arah
1.	11.8	0.09	CW
2.	11.7	0.20	CW
3.	11.6	0.29	CW
4.	11.5	0.38	CCW
5.	11.4	0.47	CCW
6.	11.3	0.56	CCW
7.	11.2	0.65	CW
8.	11.1	0.74	CW
9.	11.0	0.82	CW
10.	10.9	0.91	-

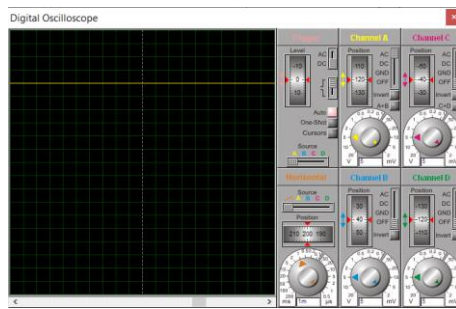
Grafik Tegangan (V) vs Arus (A)



Skematik



Bentuk sinyal saat motor dinyalakan

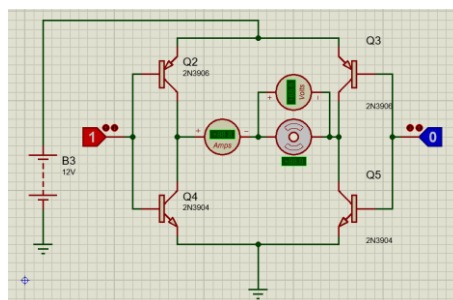


II. Arah Gerak Motor

No	L0	L1	Arah
1.	0	0	-
2.	0	1	CW
3.	1	0	CCW
4.	1	1	-

No	Tegangan (V)	Arus (A)	Arah
1.	-4.21	-0.18	CCW
2.	-6.07	-0.25	CCW
3.	-5.11	-0.21	CCW
4.	-4.63	-0.19	CCW
5.	-4.36	-0.18	CCW
6.	-4.18	-0.17	CCW
7.	-4.05	-0.17	CCW
8.	-3.96	-0.16	CCW
9.	-3.88	-0.16	CCW
10.	-3.83	-0.16	CCW

Skematik

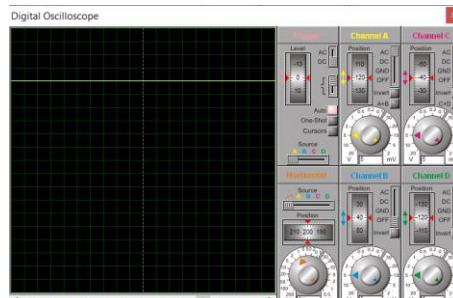


III. Merangkai IC Driver Motor

No	E1	I1	I2	O1	O2	Arah
1.	0	0	0	0	0	-
2.	0	0	1	0	0	-
3.	0	1	0	0	0	-
4.	0	1	1	0	0	-
5.	1	0	0	0	0	-
6.	1	0	1	0	1	CCW
7.	1	1	0	1	0	CW
8.	1	1	1	1	1	-

No	Tegangan (V)	Arus (A)	Arah
1.	5	0.19	CW
2.	6	0.23	CW
3.	7	0.27	CW
4.	8	0.31	CW
5.	9	0.34	CW
6.	10	0.38	CW
7.	11	0.42	CW
8.	12	0.46	CW
9.	13	0.50	CW
10.	14	0.54	CW

Bentuk Sinyal saat Motor dinyalakan



Bentuk sinyal saat diberi hambatan (25%, 50%, 100%)

