

## LAB REPORT 2

### Pertemuan 1. Motor DC – Driver Motor

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NIM : 20/455385/PA/19600

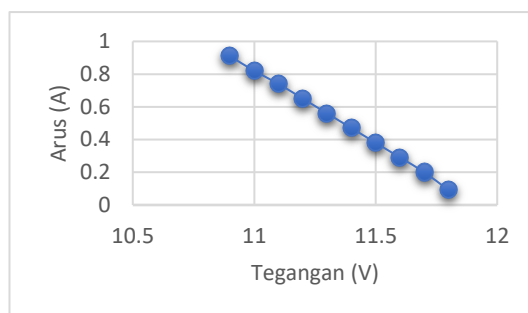
Tanggal : 6 September 2021

Asisten : Rizki Fajar Kurniawan

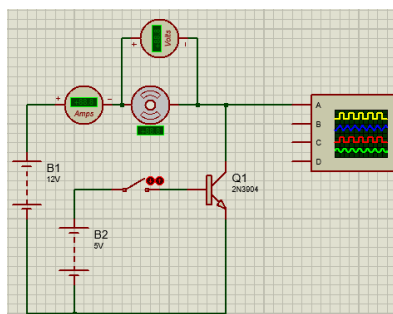
#### I. Transistor dan Motor DC

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	-

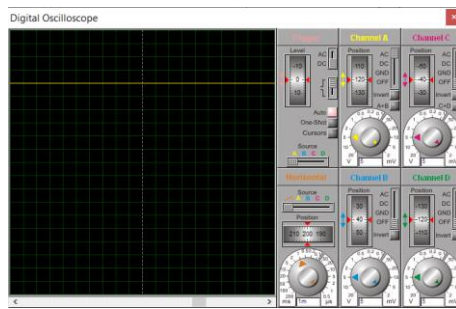
Grafik Tegangan (V) vs Arus (A)



Skematik



## Bentuk sinyal saat motor dinyalakan

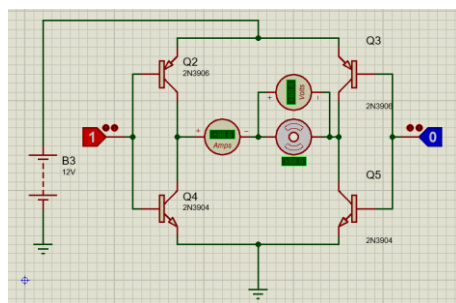


## II. Arah Gerak Motor

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

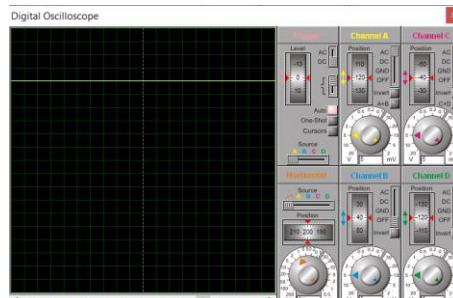


### III. Merangkai IC Driver Motor

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%)

