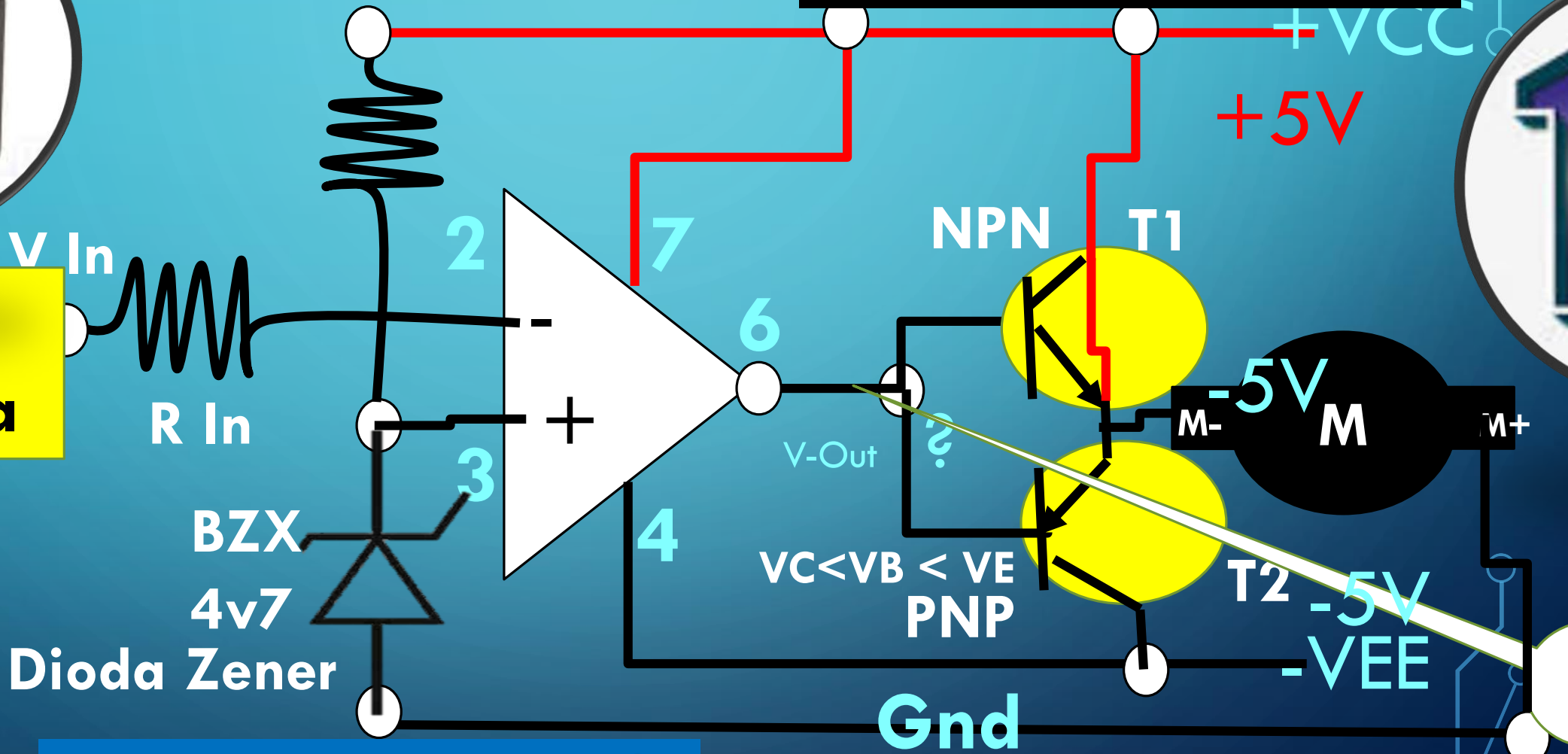




**Output
Catudaya**



Driver Motor DC L/R



Stabiliser Tegangan

Driver motor stabilizer

berputar keKanan

berputar Kekiri

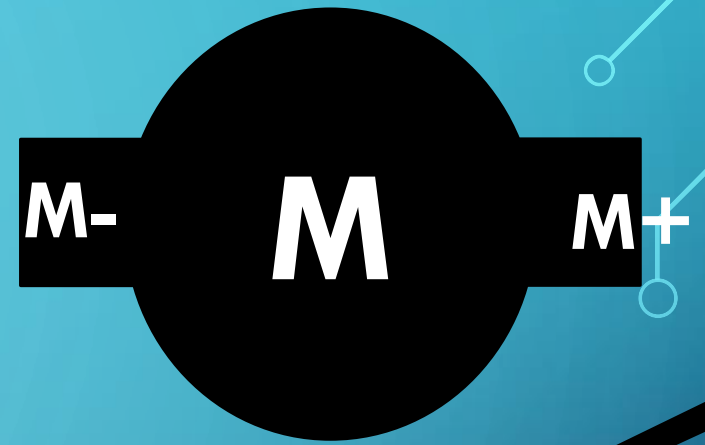
Menaikkan Tagangan

Menurunkan Tagangan



14

BAGAIMANA KOK BISA MUTER KANAN MUTER KIRI ??



$V_{M+} > V_{M-}$ = motor Stepper Berputar kekanan

$V_{M-} > V_{M+}$ = motor Stepper Berputar kekiri

?

$V_{M+} = +5 \text{ Volt}$

$V_{M-} = 0 \text{ Volt / Ground}$

$V_{M+} = -5 \text{ Volt}$

$V_{M-} = 0 \text{ Volt / Ground}$

?

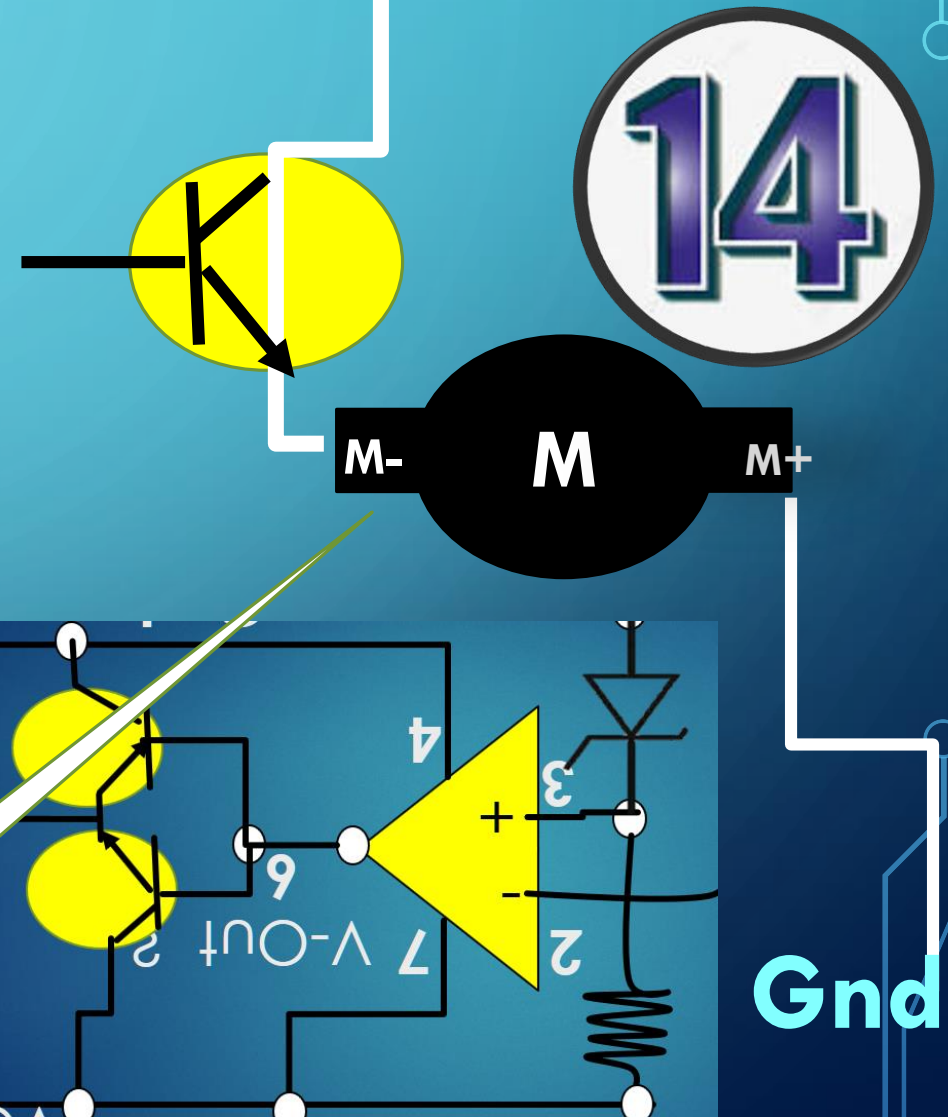
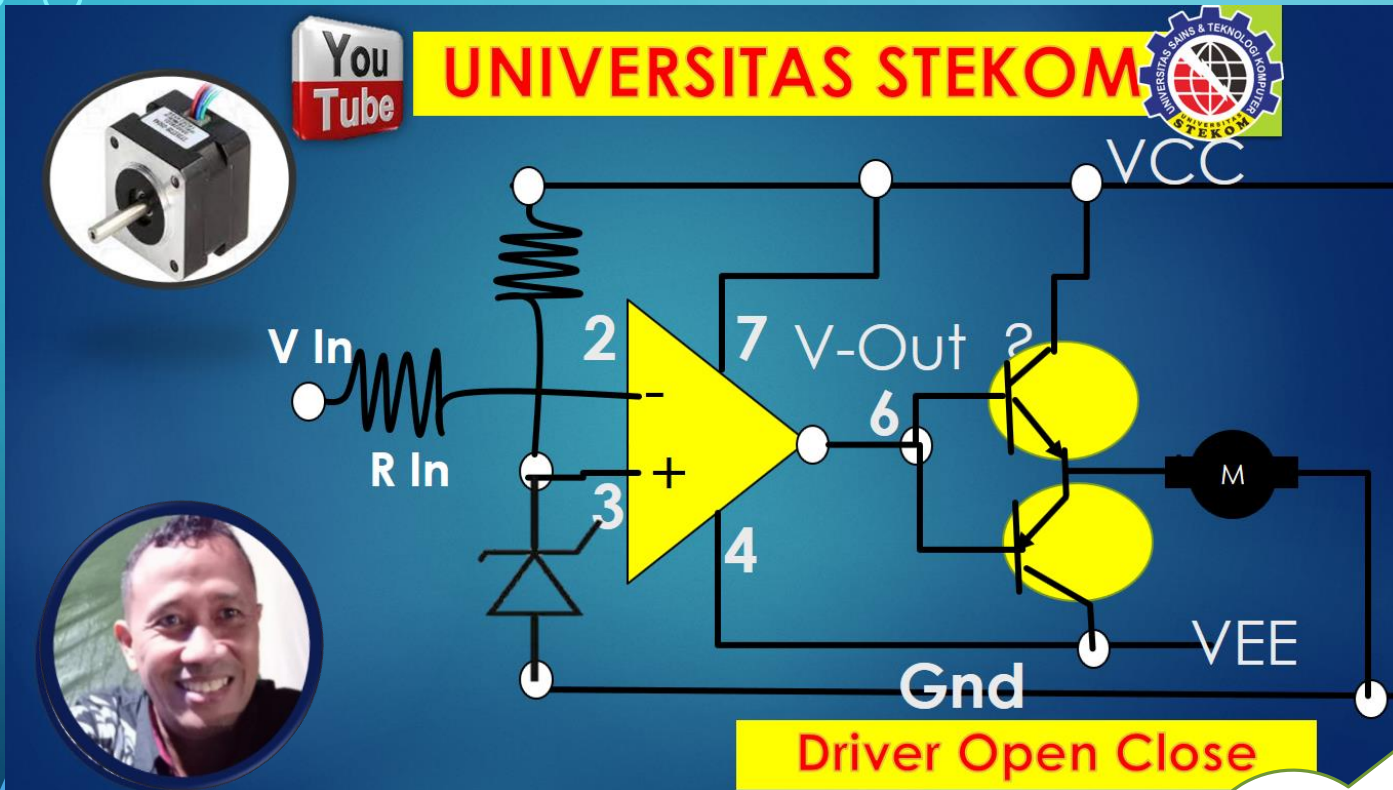


UNIVERSITAS STEKOM

14

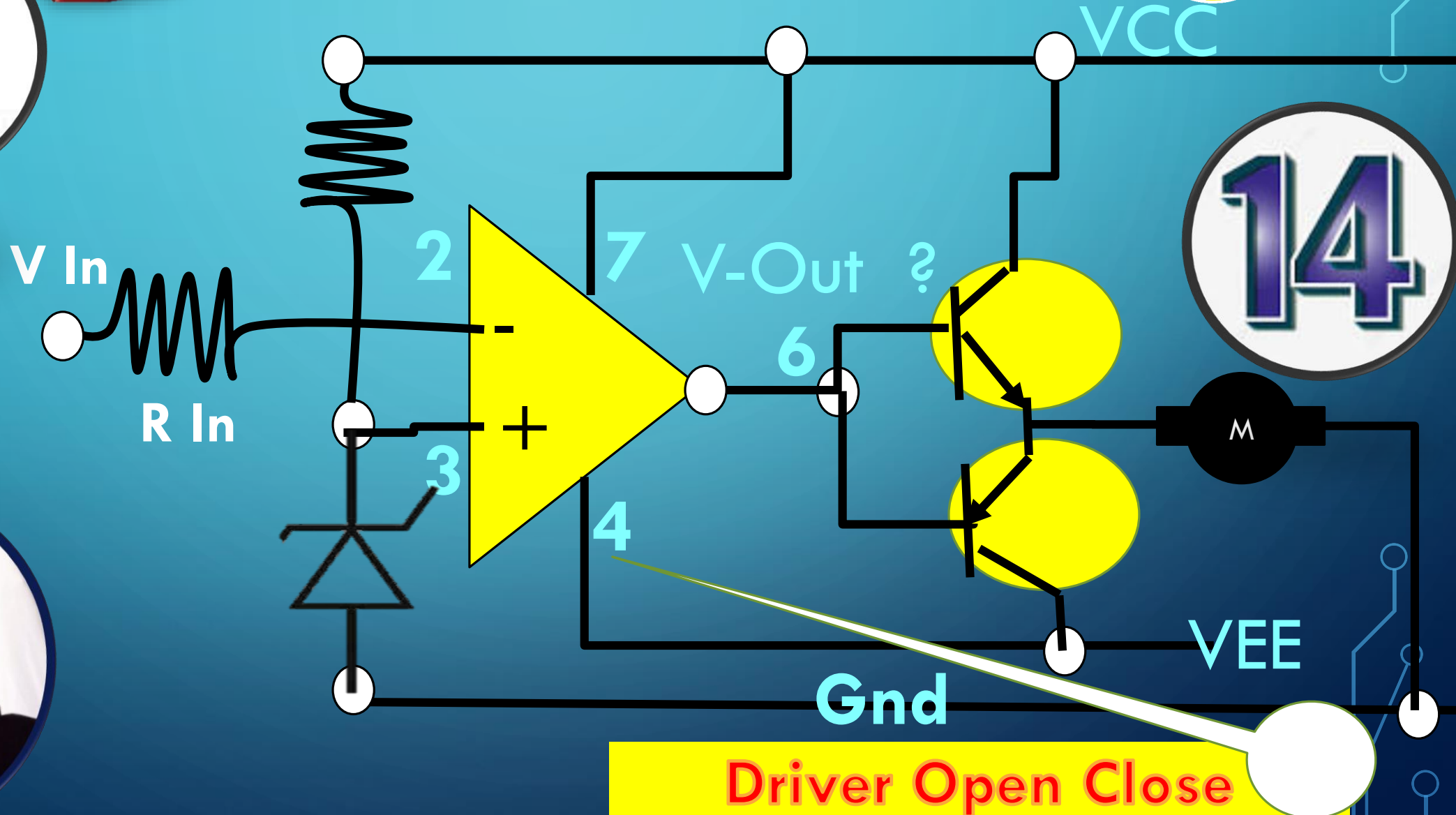
Terapan Op-Amp dengan *Quadruple Transistor*

+VCC= + 5 Volt





UNIVERSITAS STEKOM



Driver Open Close

Driver Open Close

Quadruple Transistor ?

Bridge Transistor ?

Driver Open Close

**Penggerak / pengendali
open – close**

14

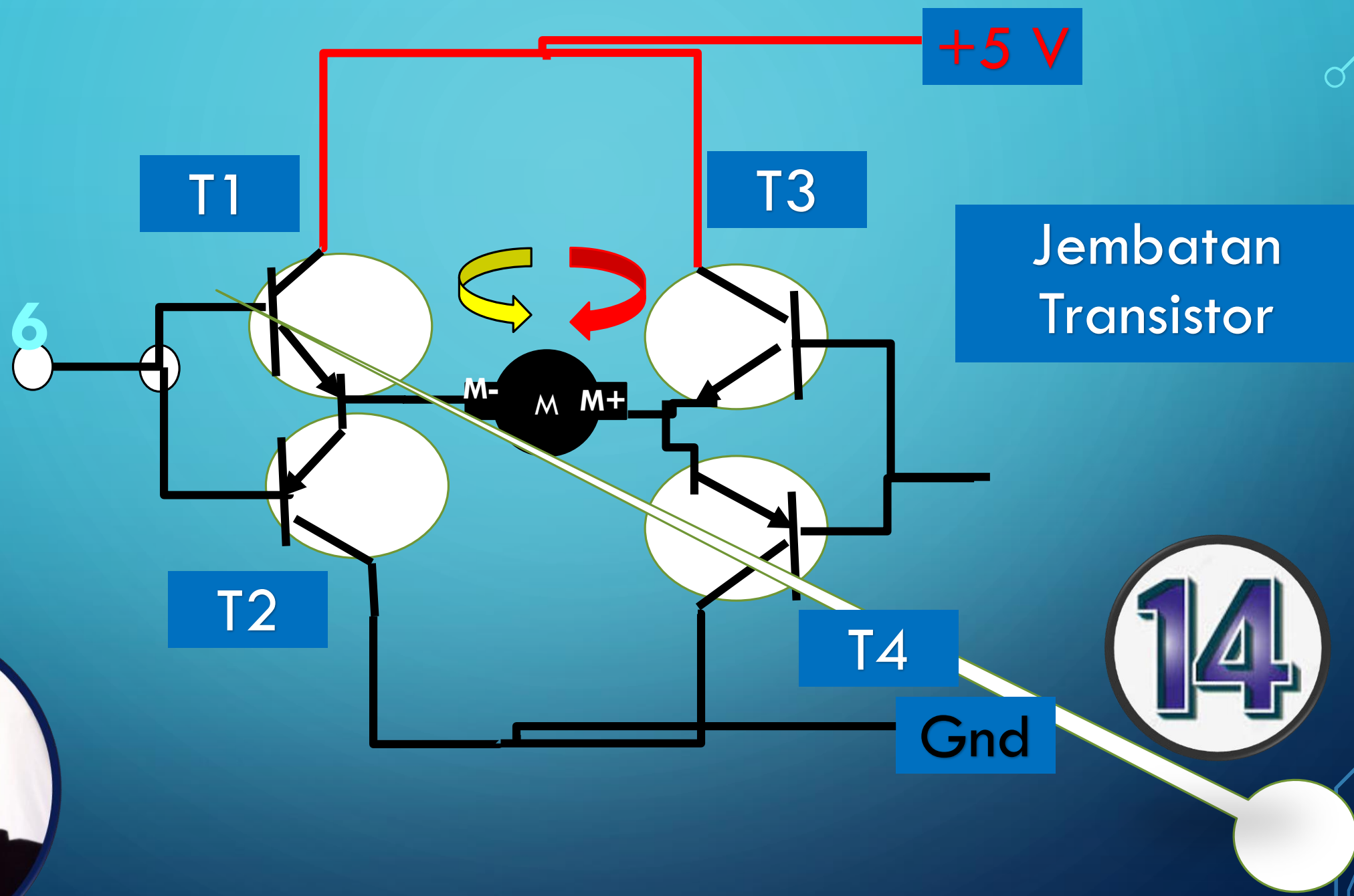
Quadruple Transistor ?

Bridge Transistor ?

4 Transistor

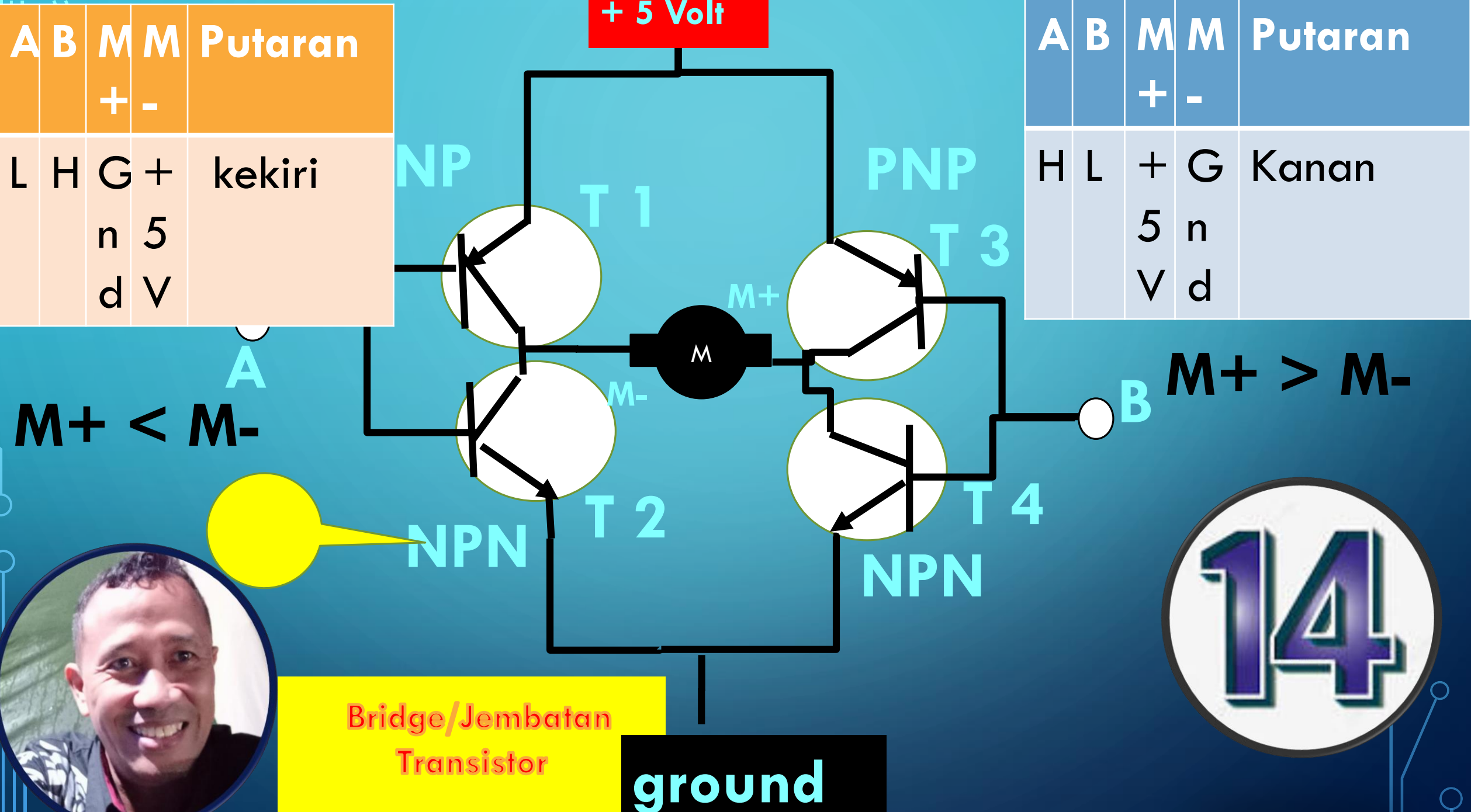
**Jembatan
Transistor**

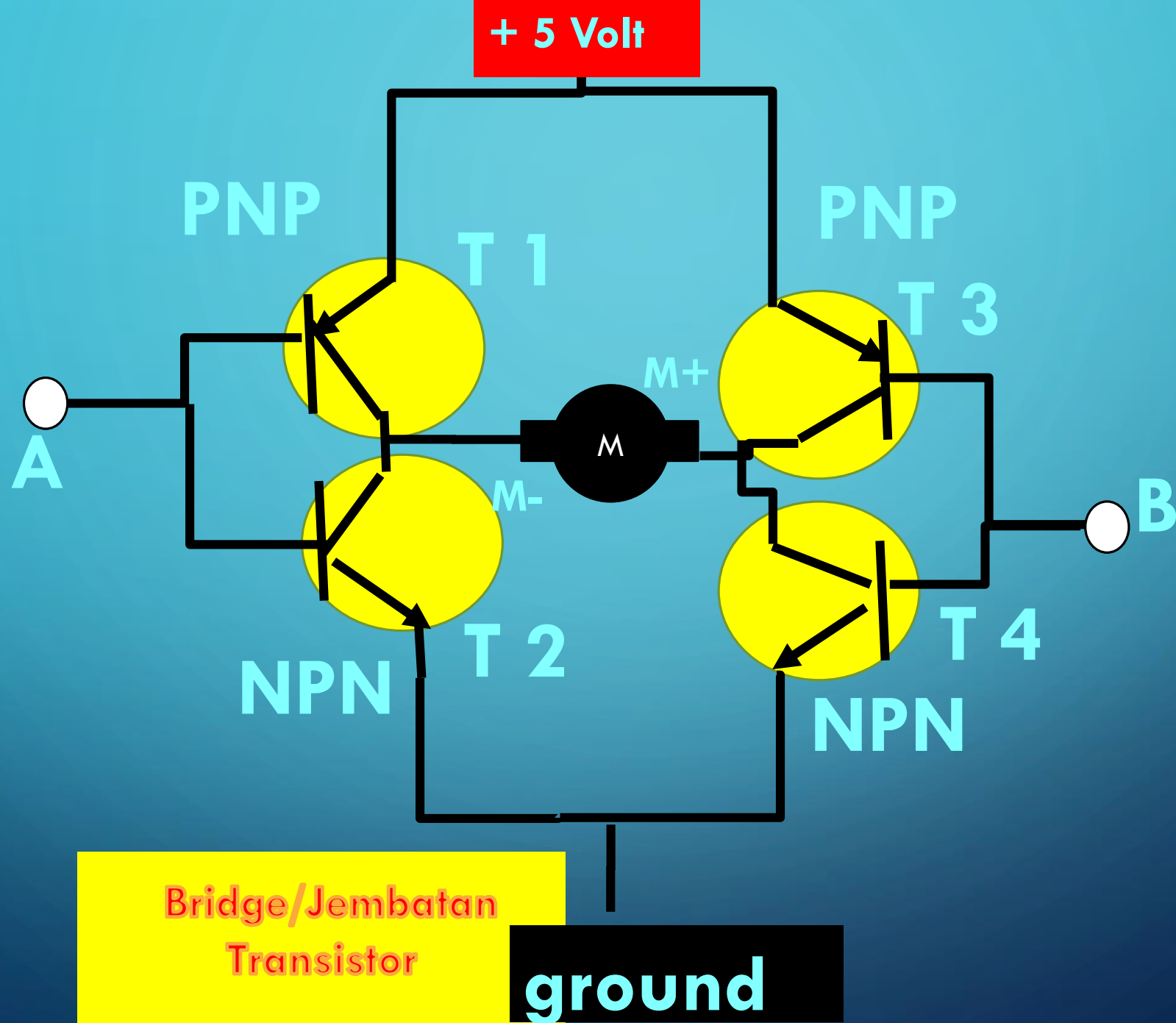




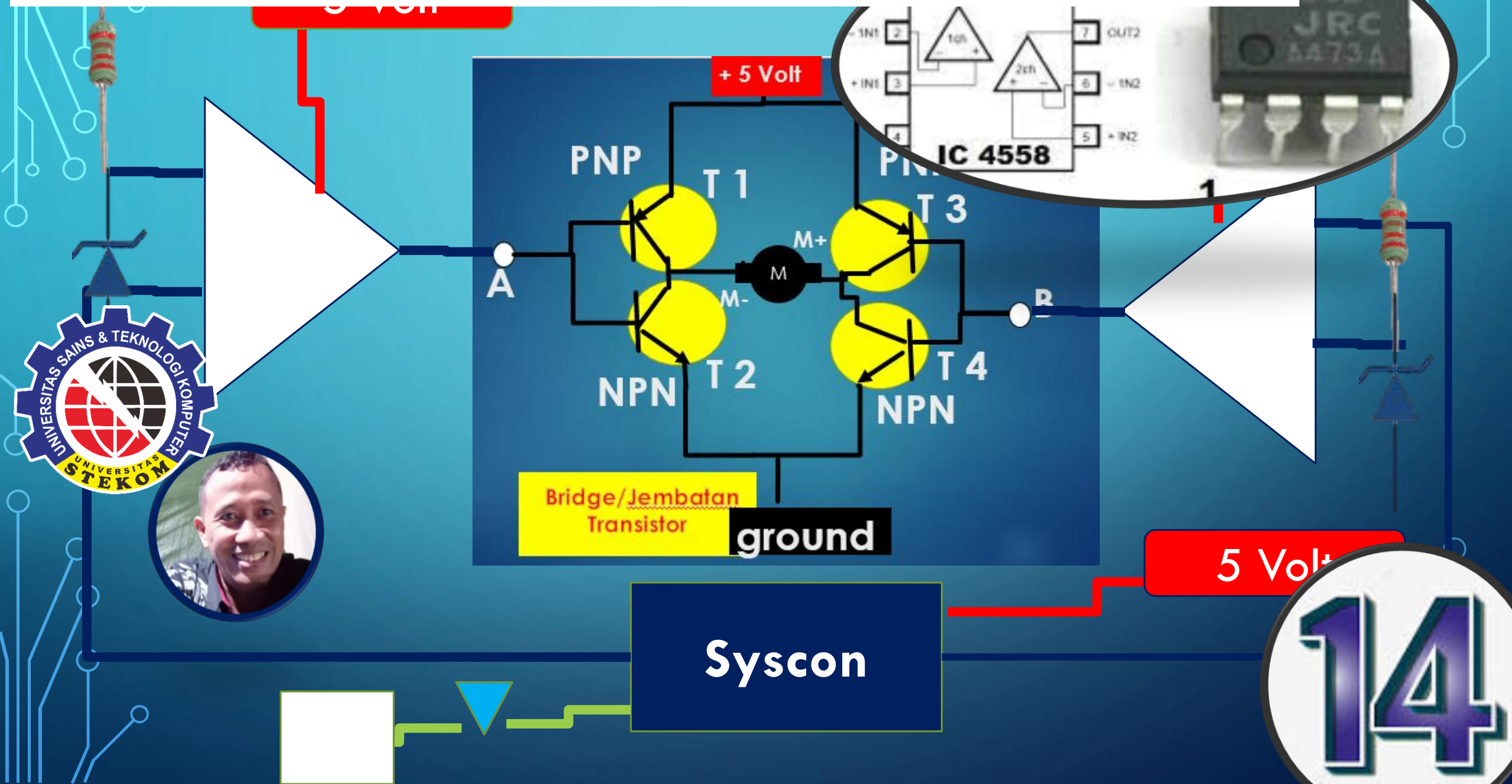
A	B	M	M	Putaran
		+	-	
L	H	G	+	kekiri
		n	5	
		d	V	

A	B	M	M	Putaran
		+	-	
H	L	+	G	Kanan
		5	n	
		V	d	





Terapan Op-Amp dengan *Quadruple Transistor*



RC 4558 DUAL OP-AMP

