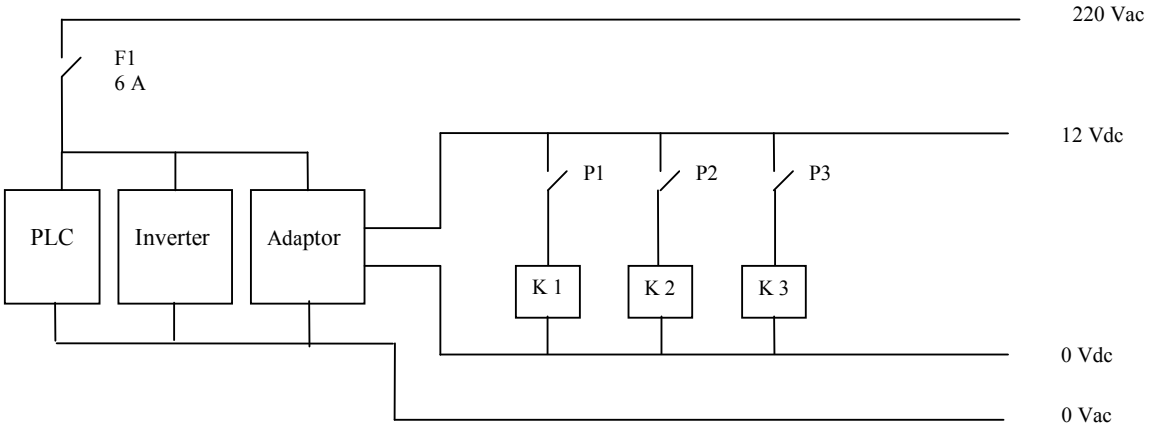
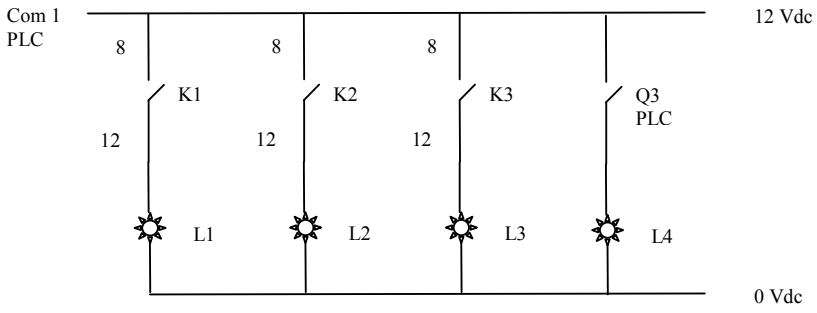
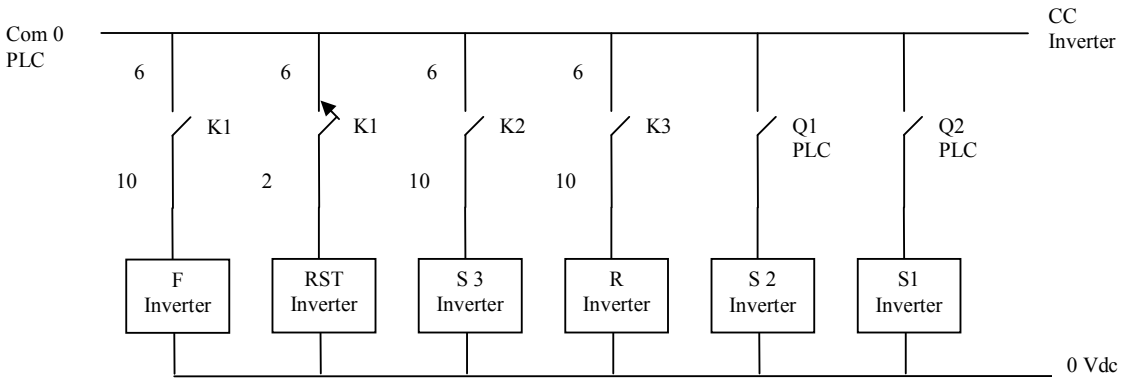
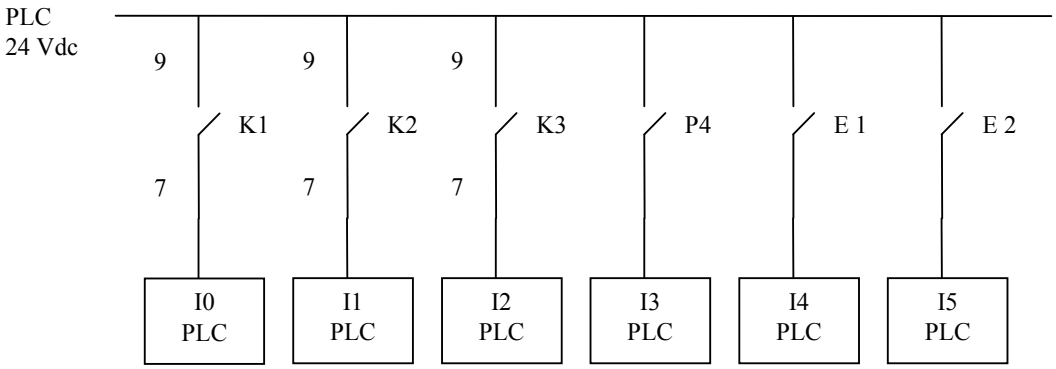
# Gambar Pengkabelan Rangkaian Simulasi






Keterangan

P1 = *Push Button Start*

P2 = *Push Button Load*

P3 = *Push Button Un-load*

P4 = Sensor posisi

L1 = Lampu *Start*

L2 = Lampu *Load*

L3 = Lampu *Un-load*

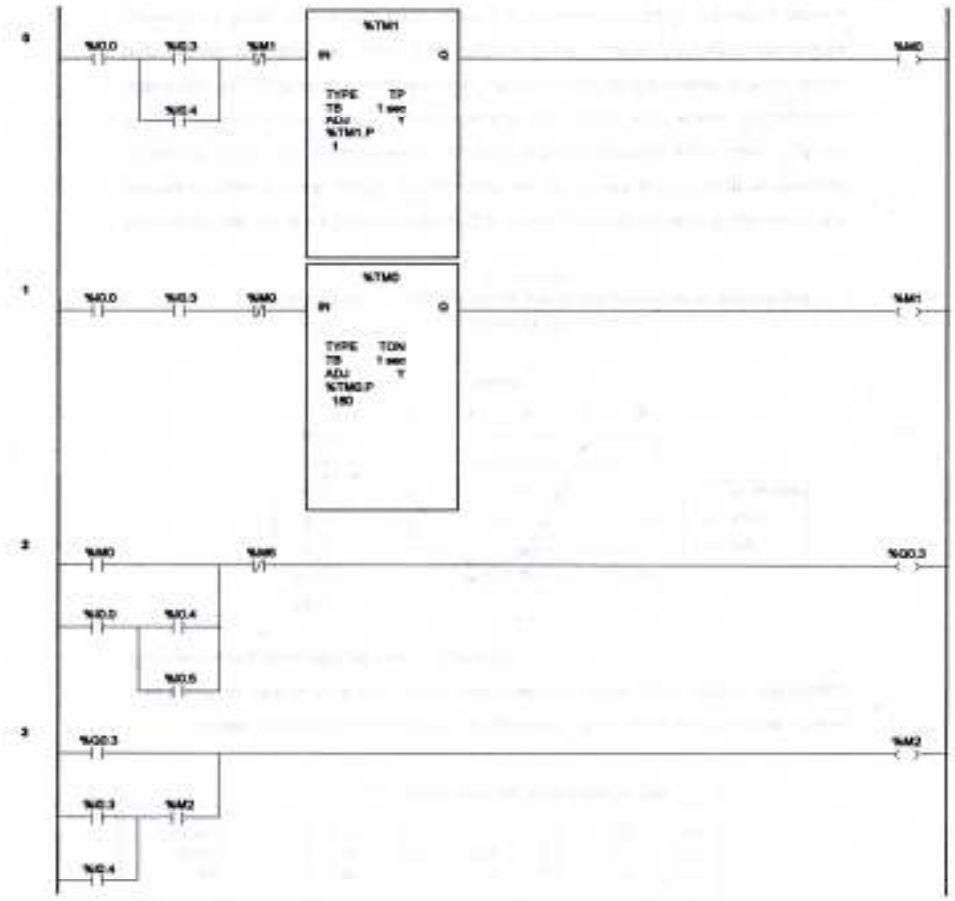
L4 = *Alarm*

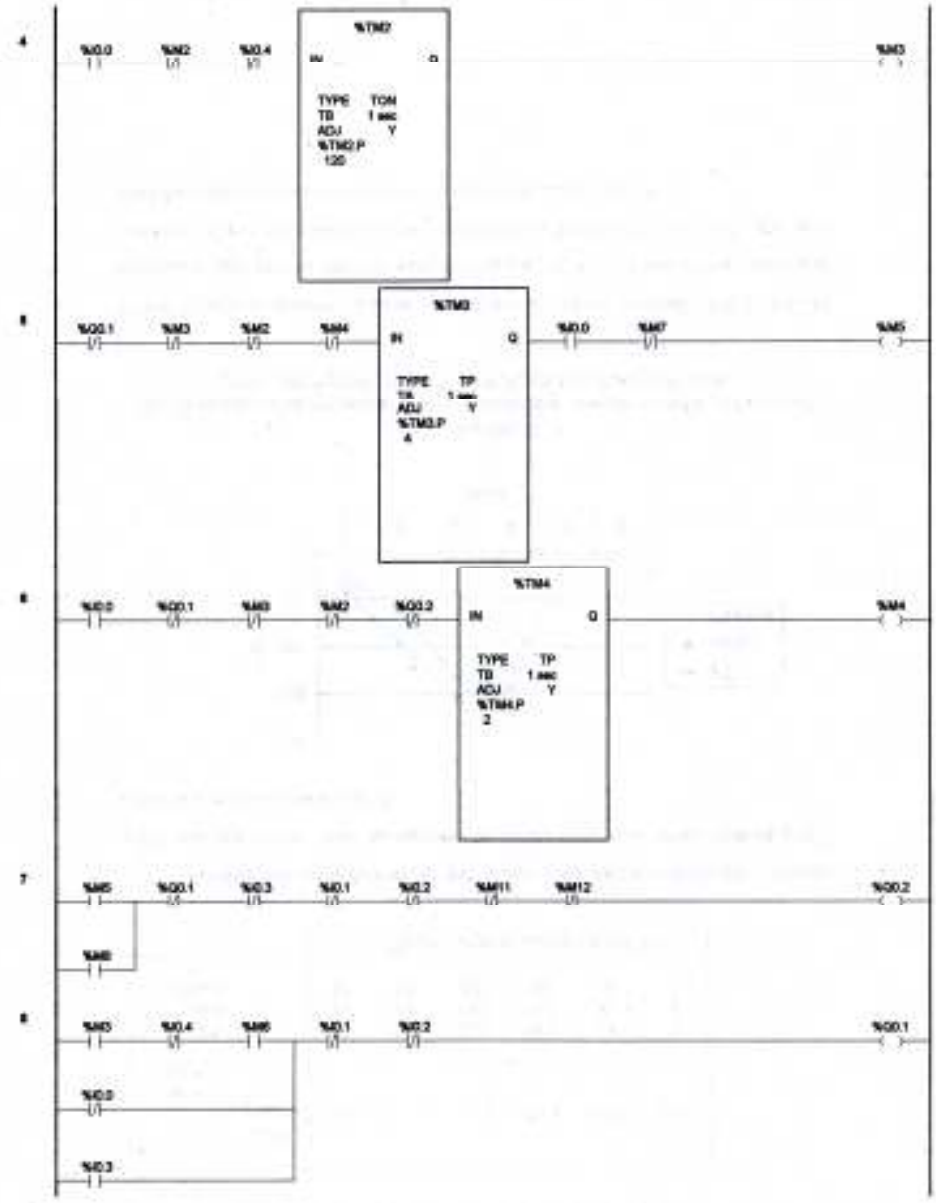
E1 = *Electrode* 1

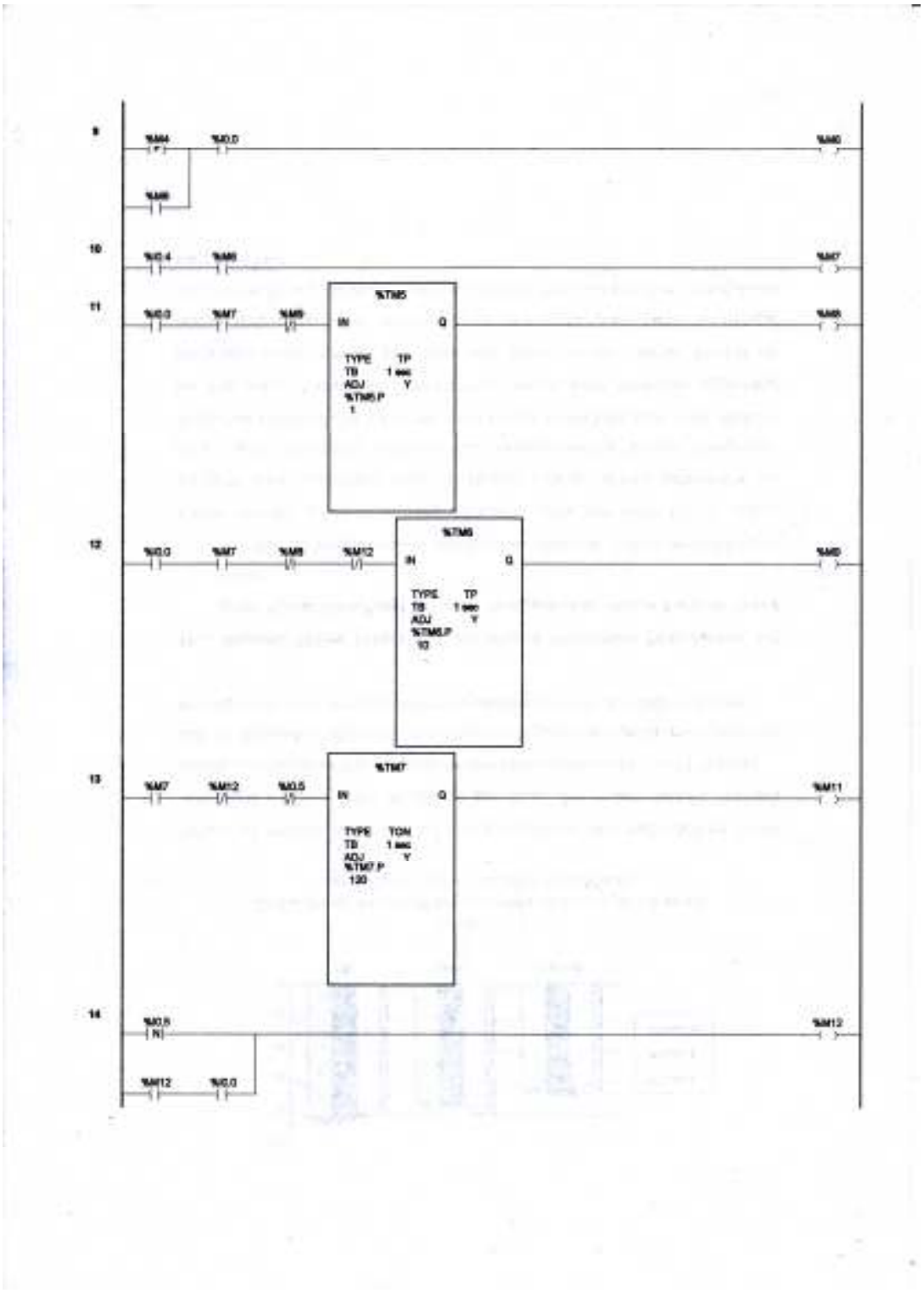
E2 = *Electrode* 2

# Program PLC Twido 10 I/0 Program Simulasi

**Ladder Diagram**

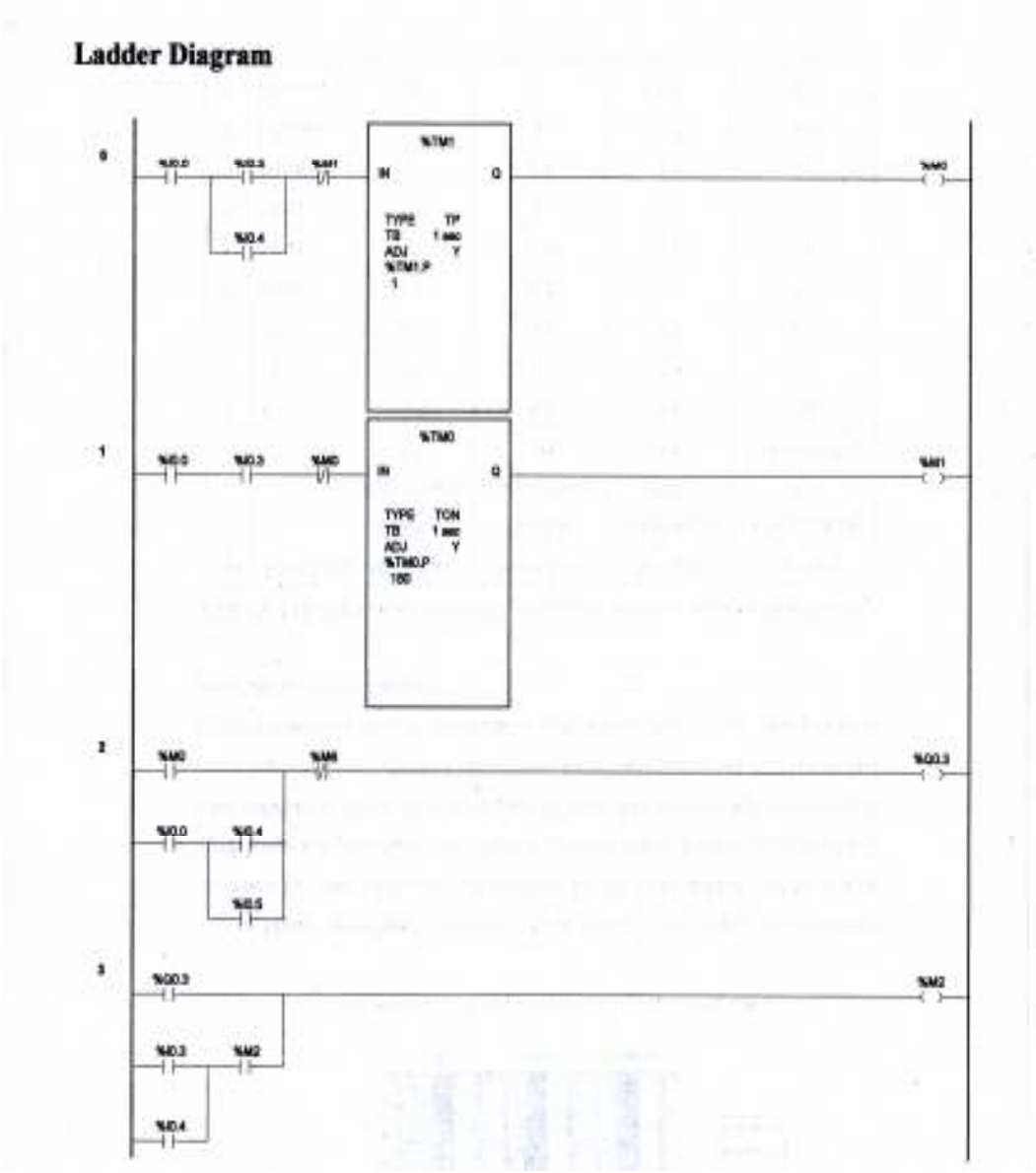


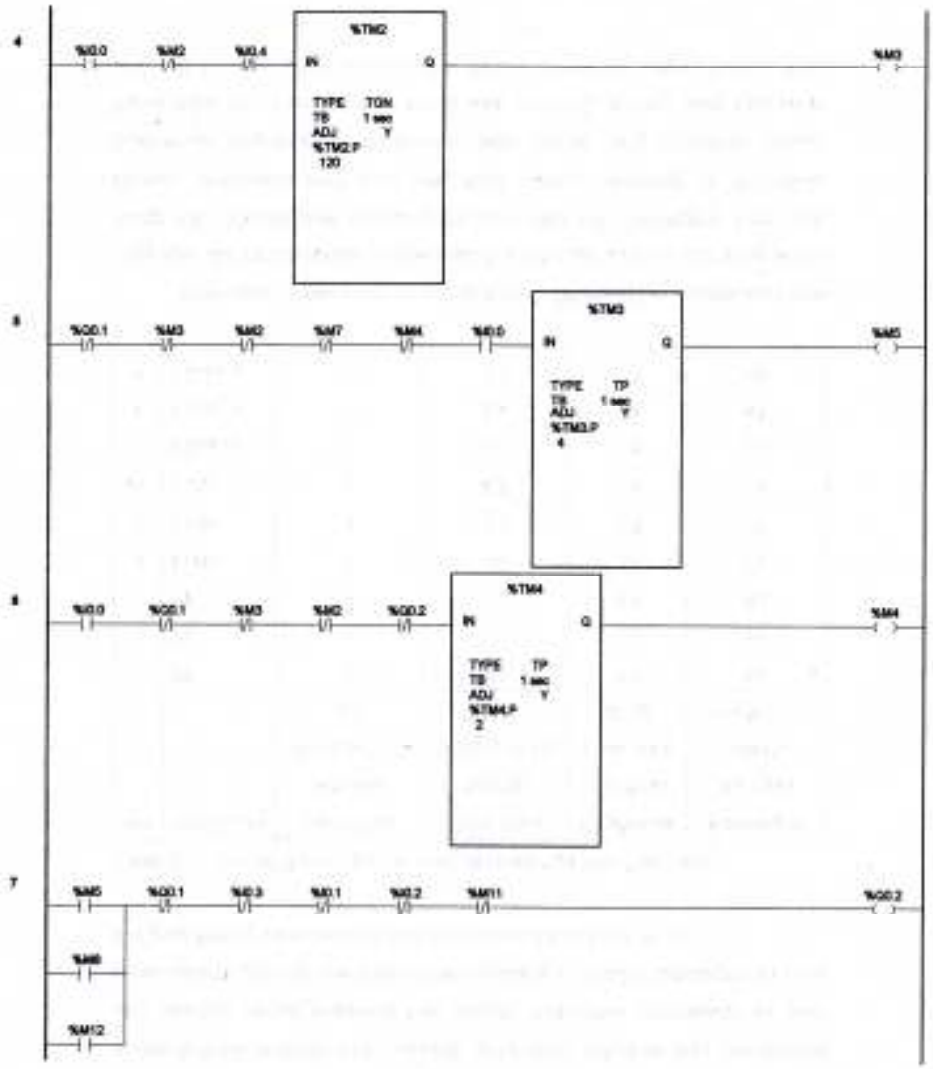

%TM2
%I0.0
%M2
%I0.4
%M3
TYPE TON
TB 1 sec
ADJ Y
%TM2.P
120
%TM3
%Q0.1
%M3
%M2
%M4
%I0.0
%M7
%M5
TYPE TP
ADJ Y
%TM3.P
4
%TM4
%I0.0
%Q0.1
%M3
%M2
%Q0.3
%M4
TYPE TP
TB 1 sec
ADJ Y
%TM4.P
2
%M5
%Q0.1
%I0.3
%I0.1
%I0.2
%M11
%M12
%Q0.2
%M6
%M5
%I0.4
%M6
%I0.1
%I0.2
%Q0.1
%I0.0
%I0.3

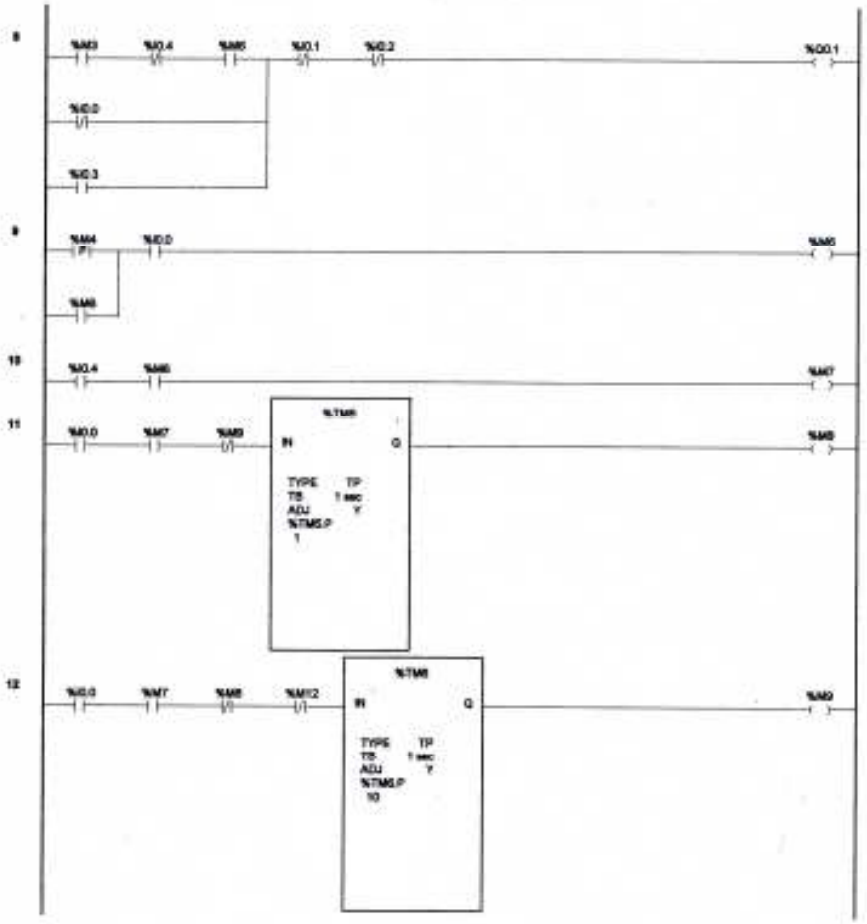

9
%M4
%I0.0
%M0
%M8
10
%I0.4
%M6
%M7
11
%I0.3
%M7
%M8
%TM5
IN
Q
TYPE TP
TB 1 sec
ADJ Y
%TM5.P
1
%M8
12
%I0.3
%M7
%M8
%M12
%TM6
IN
Q
TYPE TP
TB 1 sec
ADJ Y
%TM6.P
10
%M0
13
%M7
%M12
%I0.5
%TM7
IN
Q
TYPE TON
TB 1 sec
ADJ Y
%TM7.P
120
%M11
14
%I0.5
%M12
%M12
%I0.0

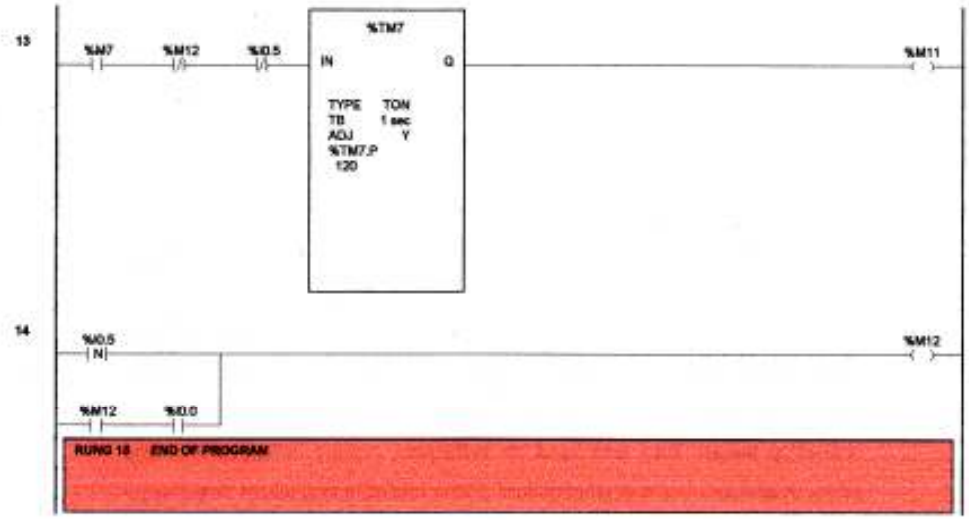

RUNG 19 END OF PROGRAM

**Program PLC Twido 10 I/0 Program Simulasi yang Telah Dimodifikasi**




4
%I0.0
%M2
%I0.4
%TM2
IN
Q
TYPE TON
TB 1 sec
ADJ Y
%TM2.P
120
%M3
5
%Q0.1
%M3
%M2
%M7
%M4
%I0.0
%TM3
IN
Q
TYPE TP
TB 1 sec
ADJ Y
%TM3.P
4
%M5
6
%I0.0
%Q0.1
%M3
%M2
%Q0.2
%TM4
IN
Q
TYPE TP
TB 1 sec
ADJ Y
%TM4.P
2
%M4
7
%M5
%Q0.1
%I0.3
%I0.1
%I0.2
%M11
%Q0.2
%M6
%M12


8
%M3
%I0.4
%M5
%I0.1
%I0.2
%Q0.1
%I0.0
%I0.3
9
%M4
%I0.0
%M5
%M6
10
%I0.4
%M6
%M7
11
%I0.0
%M7
%M8
%TM1
IN
Q
TYPE TP
TB 1 sec
ADJ Y
%TM5.P
1
%M8
12
%I0.0
%M7
%M8
%M12
%TM5
IN
Q
TYPE TP
TB 1 sec
ADJ Y
%TM5.P
10
%M9


13
%I7
%M12
%I0.5
%TM7
IN
Q
%M11
TYPE TON
TB 1 sec
ADJ Y
%TM7.P
120
14
%I0.5
N
%M12
%M12
%I0.0
RUNG 13 END OF PROGRAM

# Daftar Parameter *Inverter* 0.75 KW

| Title | Function | Adjustment range | Default setting | User setting |
|---|---|---|---|---|
| cnod | Command mode selection | 0: Terminal board<br>1: Operation panel | 1 | 0 |
| fnod | Frequency setting | 0: Built in potentiometer<br>1: VIA<br>2: VIB<br>3: Operation panel<br>4: Serial communication<br>5: Up/Down from external contact | 0 | 5 |
| acc | Acceleration time | 0.0 - 3200 s | 10 | 5 |
| dec | Deceleration time | 0.0 - 3200 s | 10 | 5 |
| FH | Maximum frequency | 30 0 - 500 Hz | 80 | 50 |
| UL | Upper limit frequency | 0.5 - FH | 50 | |
| LL | Lower limit frequency | 0.0 – UL | 0.0 | 0 |
| uL | Base frequency | 25 – 500 Hz | 50 | 50 |
| uLu | Base frequency voltage | 50 – 660 V | 220 | 220 |
| Sr 1 | Preset speed operation 1 | - 50 – 50 Hz | 0 | 3 |
| Sr 2 | Preset speed operation 2 | - 50 – 50 Hz | 0 | -3 |
| F111 | Input terminal selection 1 | 2: Forward run | 2 | 2 |
| F112 | Input terminal selection 2 | 41: Up frequency | 3 | 41 |
| F113 | Input terminal selection 3 | 42: Down frequency | 10 | 42 |
| F114 | Input terminal selection 4 (S1) | 6: SS1 | 6 | 6 |
| F115 | Input terminal selection 5 (S2) | 7: SS2 | 7 | 7 |
| F264 | Input from external contact up response time | 0.0 – 10 s | 0.1 | 1 |

| | | | | |
|---|---|---|---|---|
| F265 | Input from external contact up step width | 0.0 – FH | 0.1 | 0.5 |
| F264 | Input from external contact down response time | 0.0 – 10 s | 0.1 | 1 |
| F265 | Input from external contact up step width | 0.0 – FH | 0.1 | 10 |