

DAFTAR KOMPONEN

RESISTOR ($\frac{1}{4}$ W ; 5 %) :

$$R_1, R_3, R_4, R_7- R_{11}, R_{15} = 1\text{k}\Omega$$

$$R_2 = 3,3\text{ k}\Omega$$

$$R_5 = 220\ \Omega$$

$$R_6 = 47\text{k}\Omega$$

$$R_{12} = 470\text{ k}\Omega$$

$$R_{13} = 680\text{ k}\Omega$$

$$R_{14} = 820\text{ k}\Omega$$

$$R_{16} = 10\text{ k}\Omega$$

$$P1 = 1\text{ M}\Omega$$

KAPASITOR :

$$C_1 = 100\ \mu\text{F} / 25\text{ V}$$

$$C_2, C_3 = 22\text{ nF}$$

$$C_4 = 2200\ \mu\text{F} / 25\text{ V}$$

$$C_5 = 470\ \mu\text{F} / 25\text{ V}$$

SEMIKONDUKTOR :

IC₁ = 555

IC₂ = 4017

IC₄ = 7812

Q₁ = 9012

Q₂ - Q₅ = BC547

Q₆ = Q4004_{LT}

D1 , D5 - D8 = LED Merah

D2-D4, D9-D15 = IN 4002

LAIN-LAIN :

T1 = Transformator 15V- 500mA

RE1-RE5 = Relay 12V

S1-S3 = PUSH ON

S4 = Saklar SPST

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