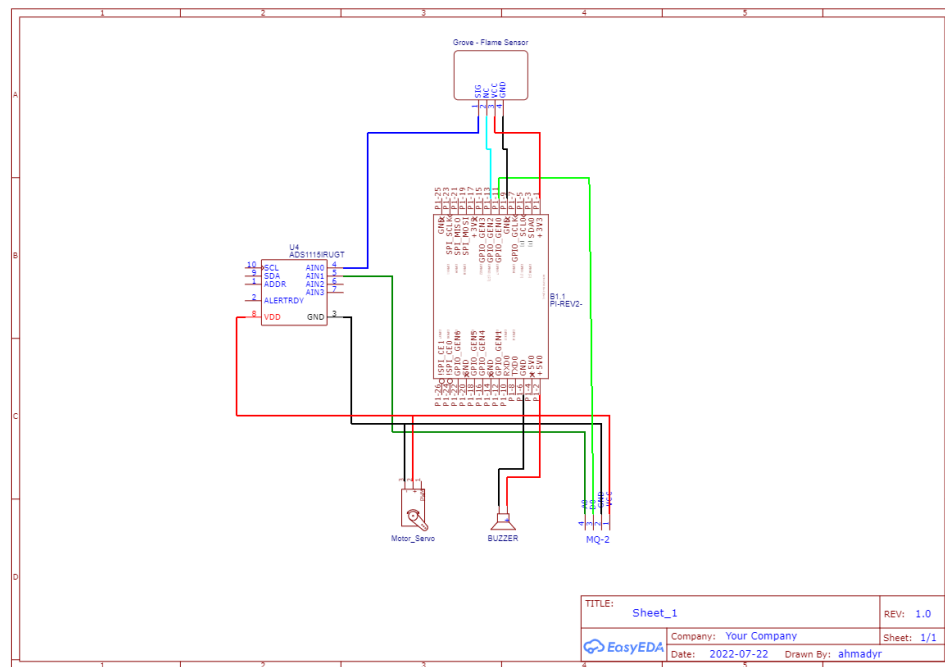
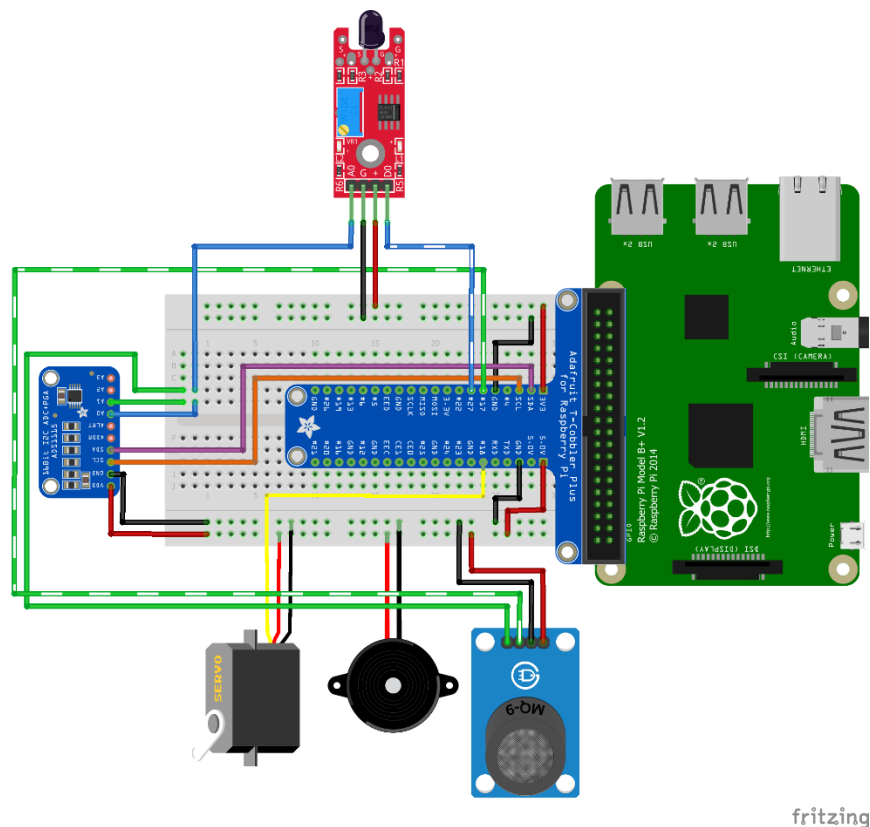


1. Electronic Schematic

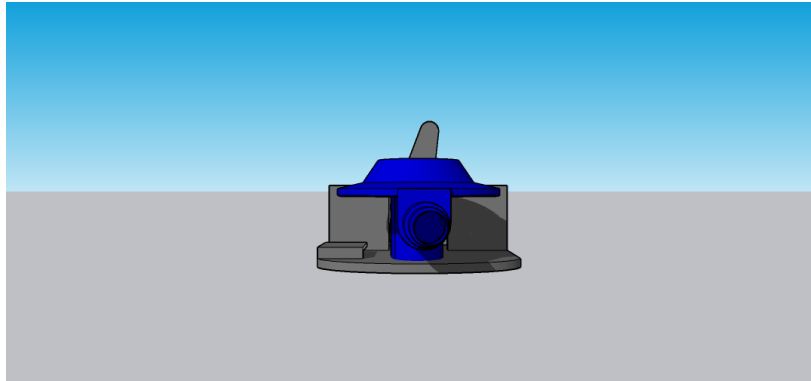


Gambar 1 . Rangkaian menggunakan EasyEDA

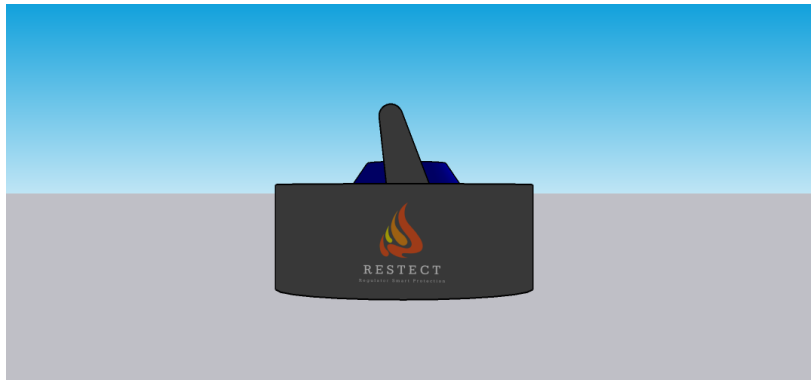


Gambar 2. Rangkaian menggunakan Fritzing

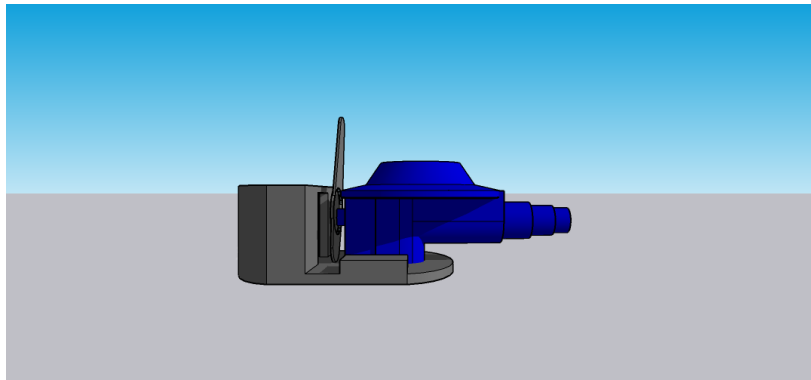
2. Hardware Design



Gambar 3. Design tampak dari belakang



Gambar 4. Design tampak dari depan



Gambar 5. Design tampak dari samping

3. BOM

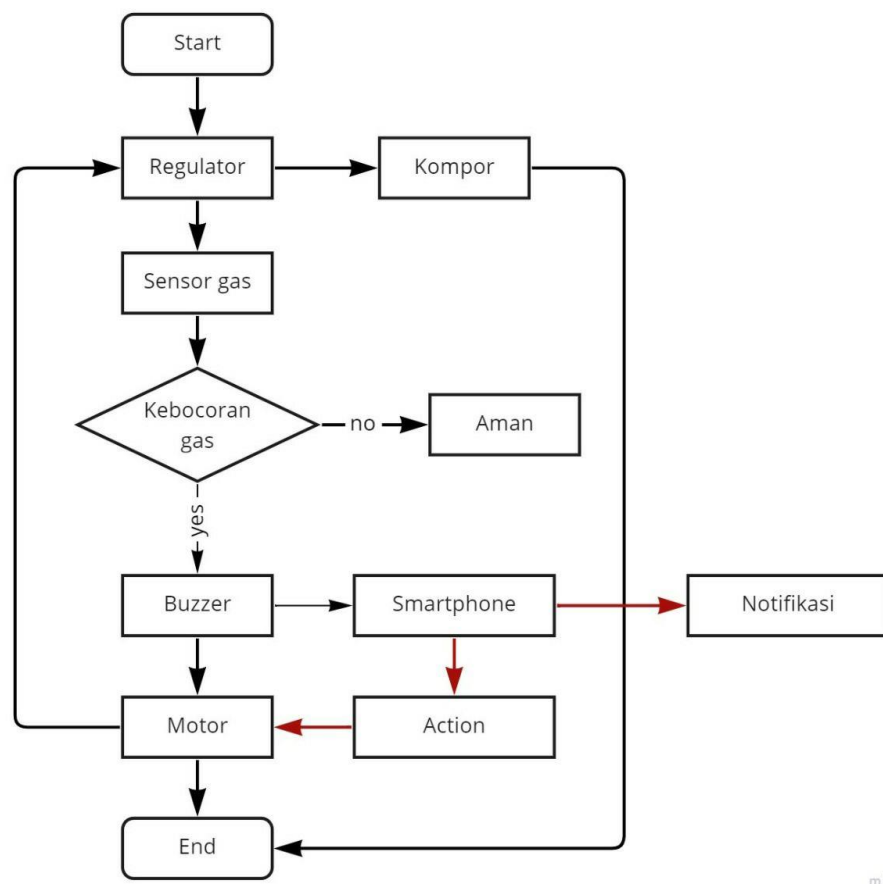
Bill Of Material

BOM No.	Product Description	Built For	Unit	Maximum Qty
1	Restect (Regulator Smart Protection)	1		1
Description				
Material Restect				

Item No	Item Description	Quantity	Unit	Standard Cost	Total Cost
1	Raspberry PI	1		Rp 1.000.000,00	Rp 1.000.000,00
2	Casing Raspberry	1		Rp 30.000,00	Rp 30.000,00
3	Regulator Gas	1		Rp 75.000,00	Rp 75.000,00
4	Sensor MQ-2	1		Rp 25.000,00	Rp 25.000,00
5	Buzzer	1		Rp 10.000,00	Rp 10.000,00
6	Jumper Male	40		Rp 375,00	Rp 15.000,00
7	Jumper Female	40		Rp 375,00	Rp 15.000,00
8	Analog converter adc 16 bit	1		Rp 50.000,00	Rp 50.000,00
9	Sensor Flame	1		Rp 25.000,00	Rp 25.000,00
Total Material Amount		87			Rp 1.245.000,00

Gambar 6. Bill Of Material Restect

4. Process Flow



Gambar 7. Flowchart