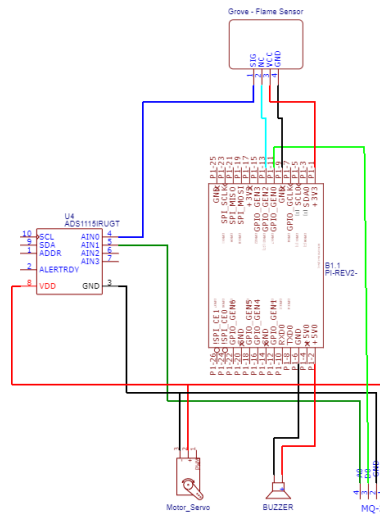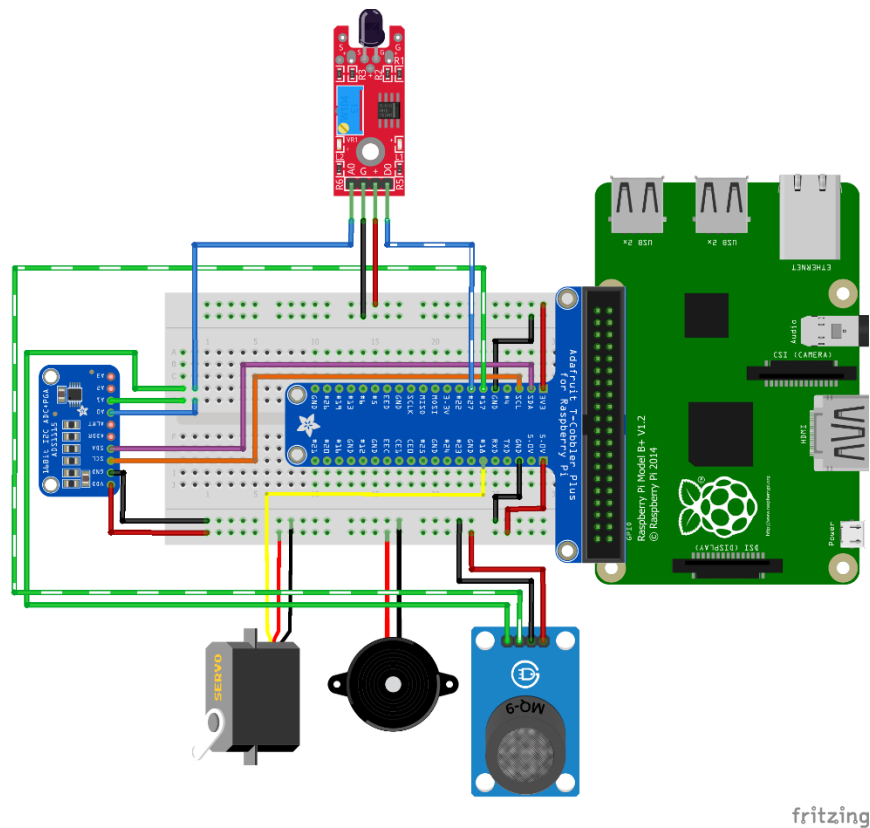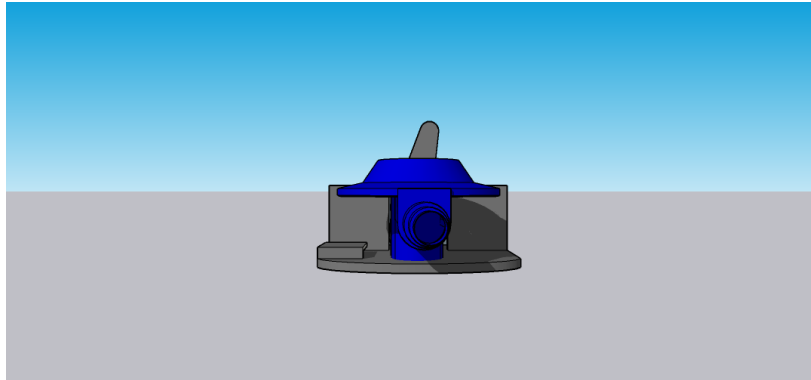1. **Electronic Schematic**

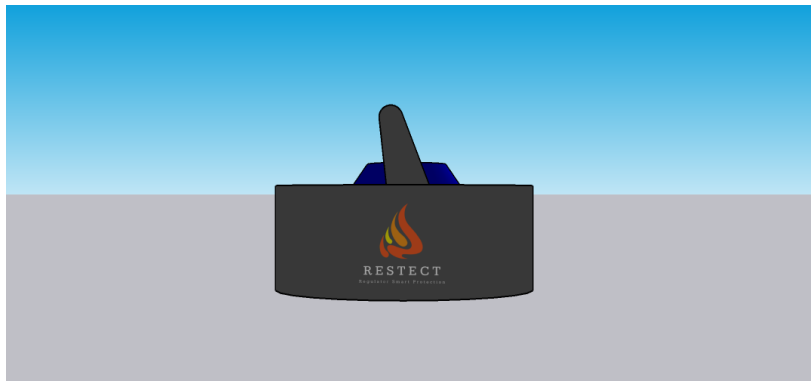Gambar 1 . Rangkaian menggunakan EasyEDA

Gambar 2. Rangkaian menggunakan Fritzing
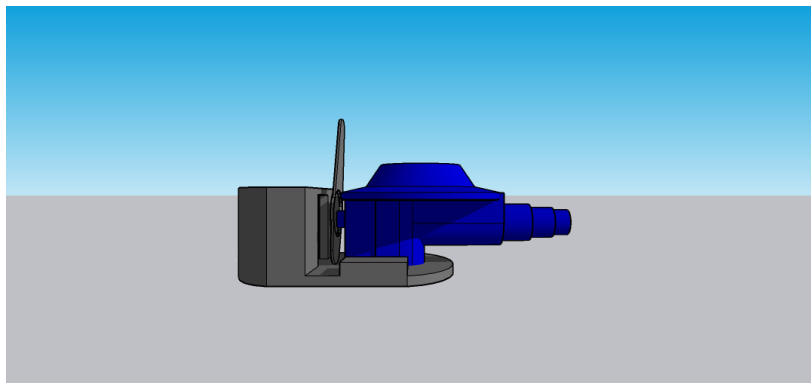
2. Hardware Design

Gambar 3. Design tampak dari belakang

Gambar 4. Design tampak dari depan
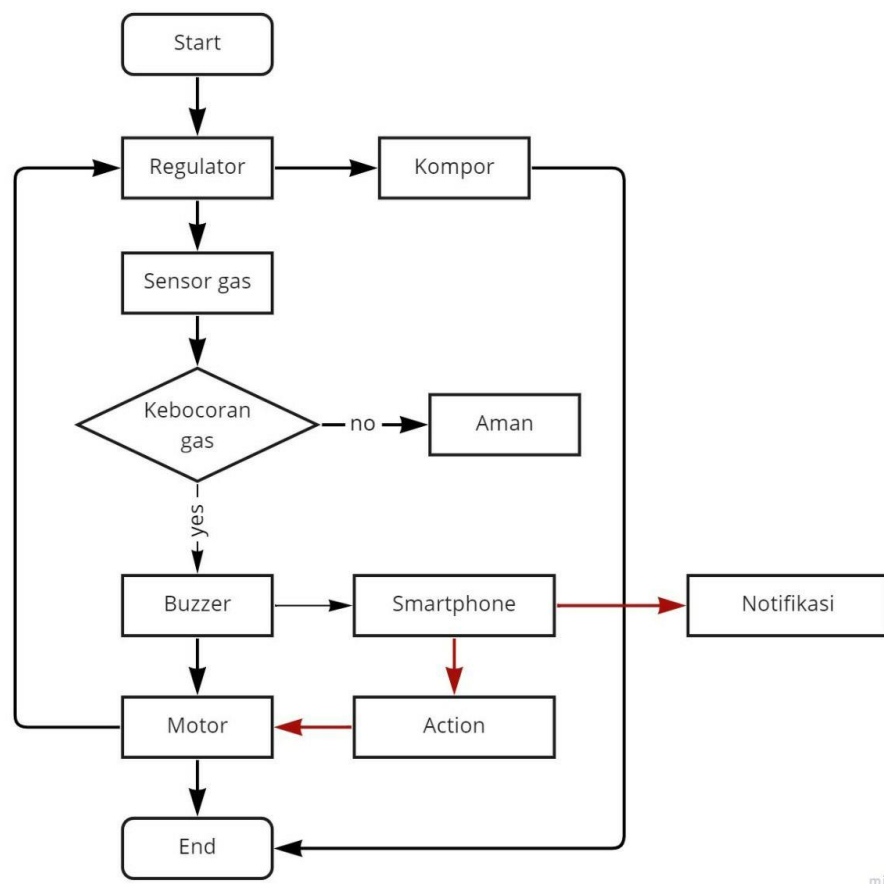

Gambar 5. Design tampak dari samping

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