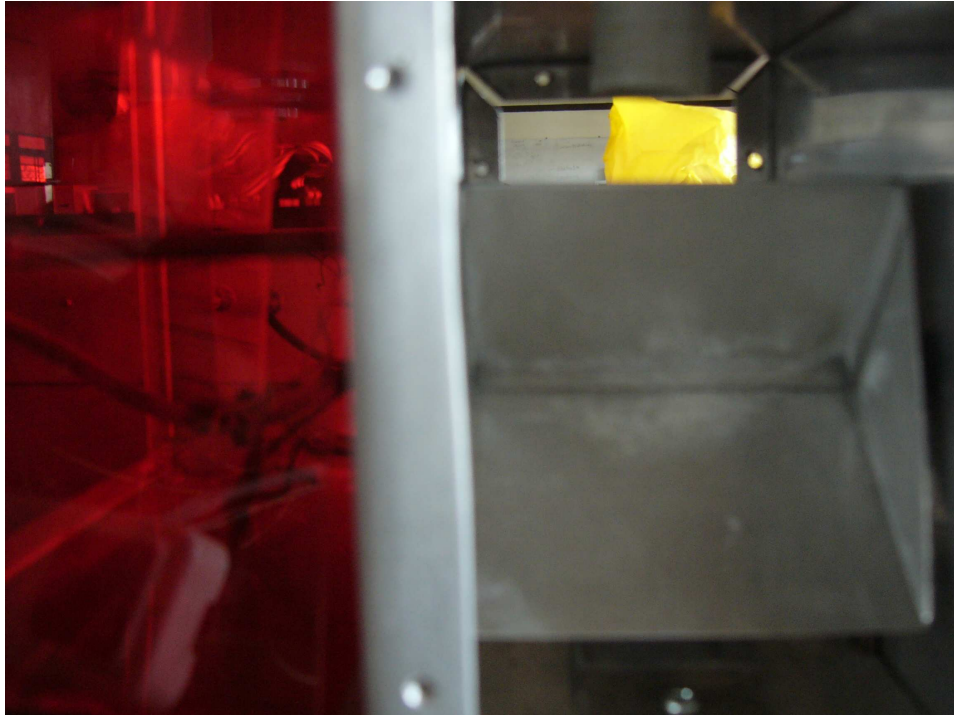
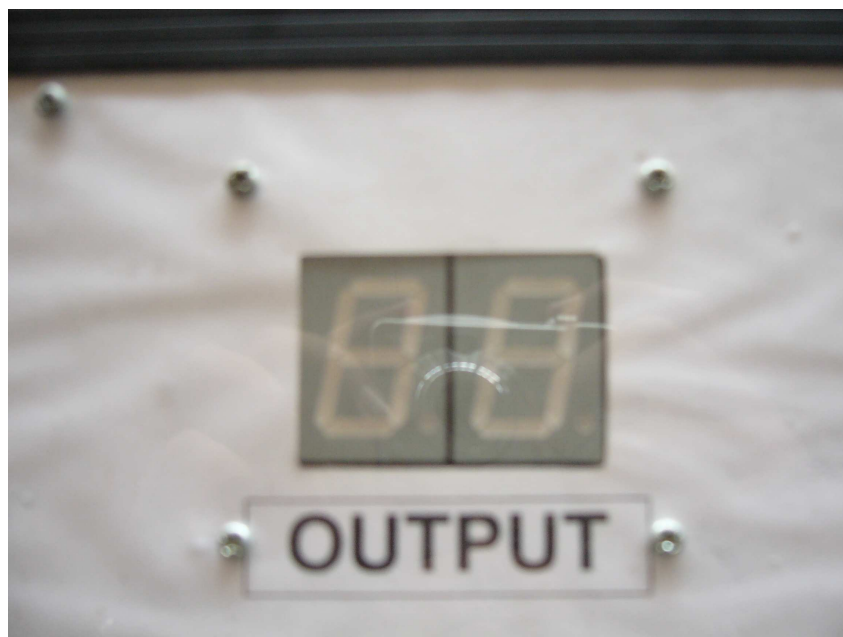


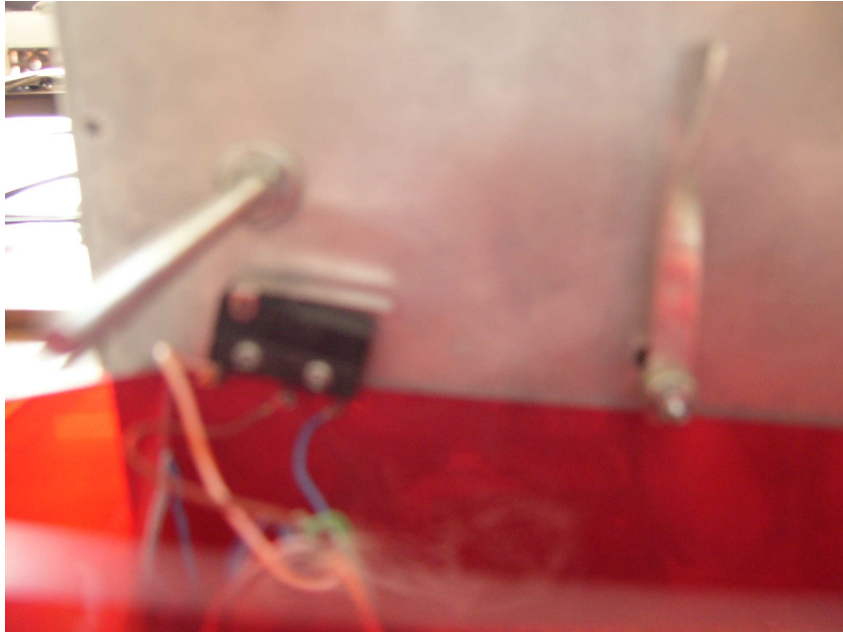
Sensor Alat Pengukur Curah Hujan



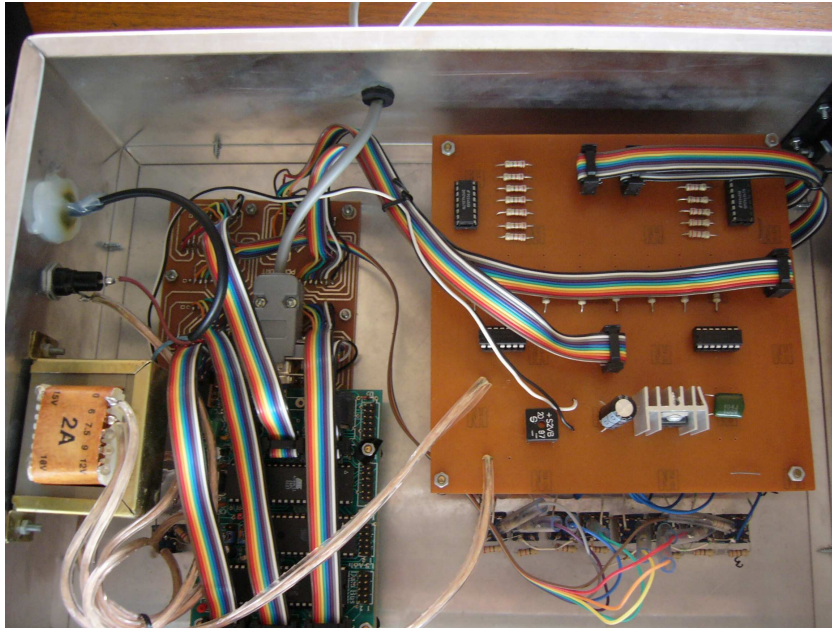
Penampung Berjungkit



Seven Segment untuk tampilan Data Curah Hujan



Saklar Pada Sensor



Rangkaian MCS-51

LIST PROGRAM

```
$MOD51
$title(BYTE SIGNED MULTIPLY)
$PAGewidth(132)
$DEBUG
$OBJECT
$NOPAGING

Port_A EQU 4000H
Port_Control EQU 4003H
Delay_1detik EQU 0165H
Writeext_memory EQU 0157H

ORG 2000H

START:    MOV DPTR,#Port_Control
          MOV A,#80H
          MOVX @DPTR, A
          MOV R7,#00H
          MOV R6,#00H
          MOV R1,#00H

LOOP:     MOV A,P1
          CJNE A,#0FEh,test1
          INC R1
          MOV A,R1
          MOV DPTR,#Port_A
          MOVX @DPTR,A
          LCALL DELAY_1DETIK
          AJMP LOOP

test1:    CJNE A,#0FBH,test2
          INC R7
          MOV DPTR,#3000H
          MOV A,R7
          MOV R5,A
```

```
atas1:    INC DPTR
          DEC R5
          CJNE R5,#00H,ATAS1
          MOV A,R1
          LCALL Writeext_memory
          LCALL DELAY_1DETIK
          MOV R1,#00H
          AJMP LOOP

test2:    CJNE A,#0EFH,LOOP
          INC R6
          MOV DPTR,#3000H
          MOV A,R6
          MOV R5,A

atas2:    INC DPTR
          DEC R5
          CJNE R5,#00H,ATAS2
          MOVX A,@DPTR
          MOV DPTR,#PORT_A
          MOVX @DPTR,A
          LCALL DELAY_1DETIK
          AJMP LOOP

END
```