

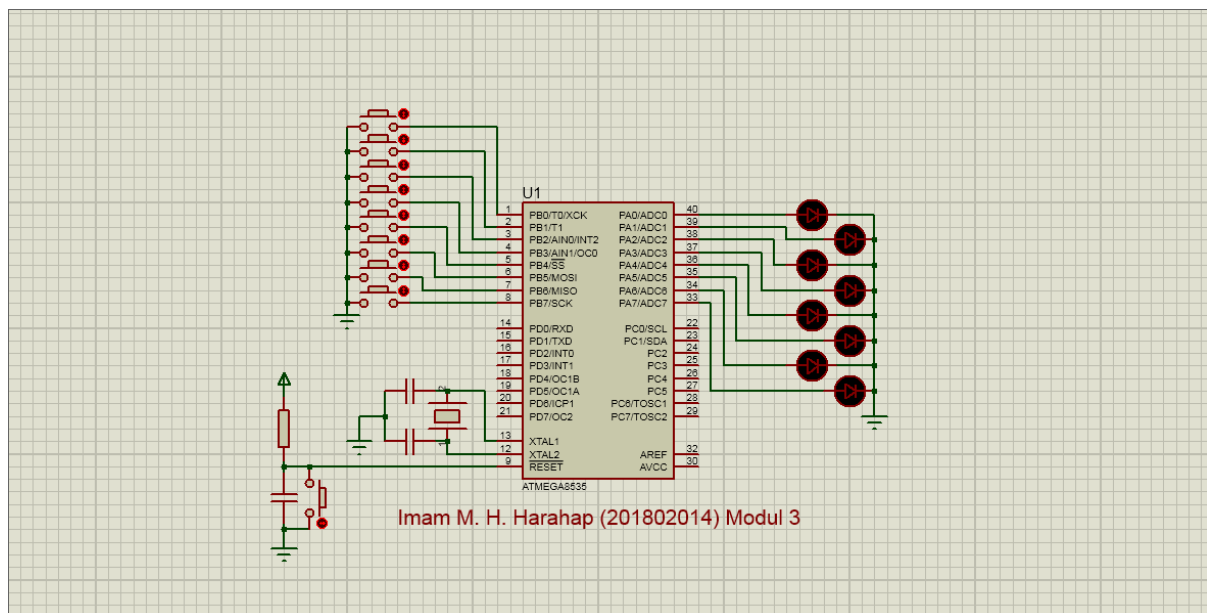
# Imam Muis Hamzah Harahap

## Praktik Digital Input

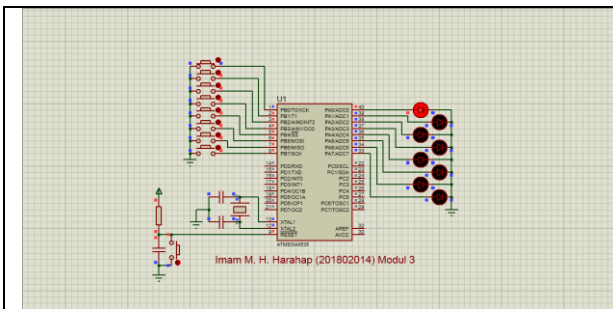
### 1. Program

```
1  /*****
2  Date   : 26/09/2019
3  Author : Imam M. H. Harahap
4  Company : Mekatronika Politeknik Engineering Indorama
5  Comments: Modul 3
6  *****/
7  #include <mega8535.h>
8  void main() {
9      DDRA=0b11111111;
10     DDRB=0b00000000;
11     PORTB=0b11111111;
12     while (1) {
13         if (PINB.0==0)
14             PORTA=0b00000001;
15         else if (PINB.1==0)
16             PORTA=0b00000010;
17         else if (PINB.2==0)
18             PORTA=0b00000100;
19         else if (PINB.3==0)
20             PORTA=0b00001000;
21         else if (PINB.4==0)
22             PORTA=0b00010000;
23         else if (PINB.5==0)
24             PORTA=0b00100000;
25         else if (PINB.6==0)
26             PORTA=0b01000000;
27         else if (PINB.7==0)
28             PORTA=0b10000000;
29     }
30 }
31
```

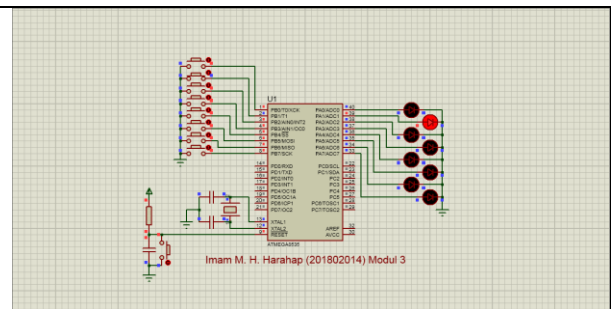
### 1. Hasil



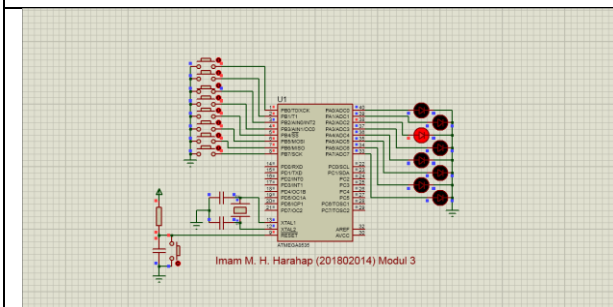
Rangkaian dalam keadaan standby



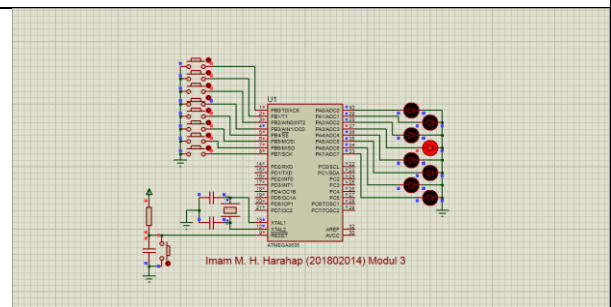
Button 1 = **HIGH** => LED 1 **HIGH**



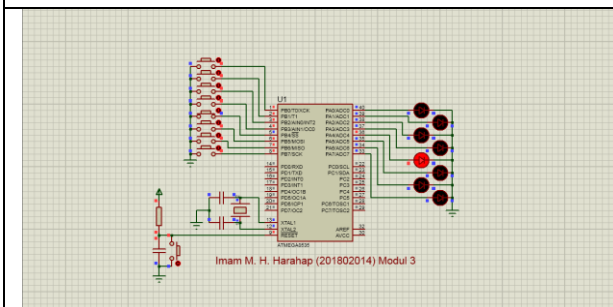
Button 2 = **HIGH** => LED 2 **HIGH**



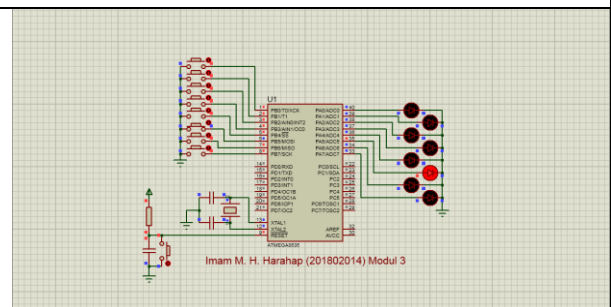
Button 3 = **HIGH** => LED 3 = **HIGH**



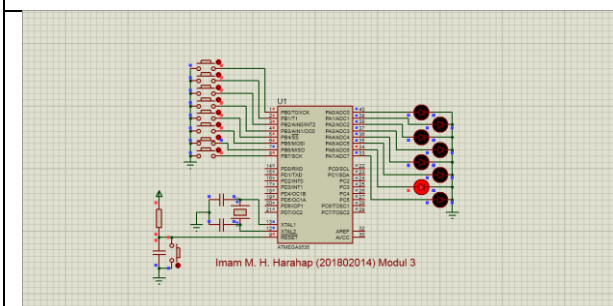
Button 4 = **HIGH** => LED 4 = **HIGH**



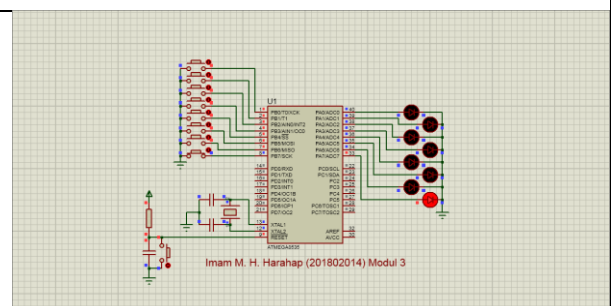
Button 5 = **HIGH** => LED 5 = **HIGH**



Button 6 = **HIGH** => LED 6 = **HIGH**



Button 7 = **HIGH** => LED 7 = **HIGH**



Button 8 = **HIGH** => LED 8 = **HIGH**