

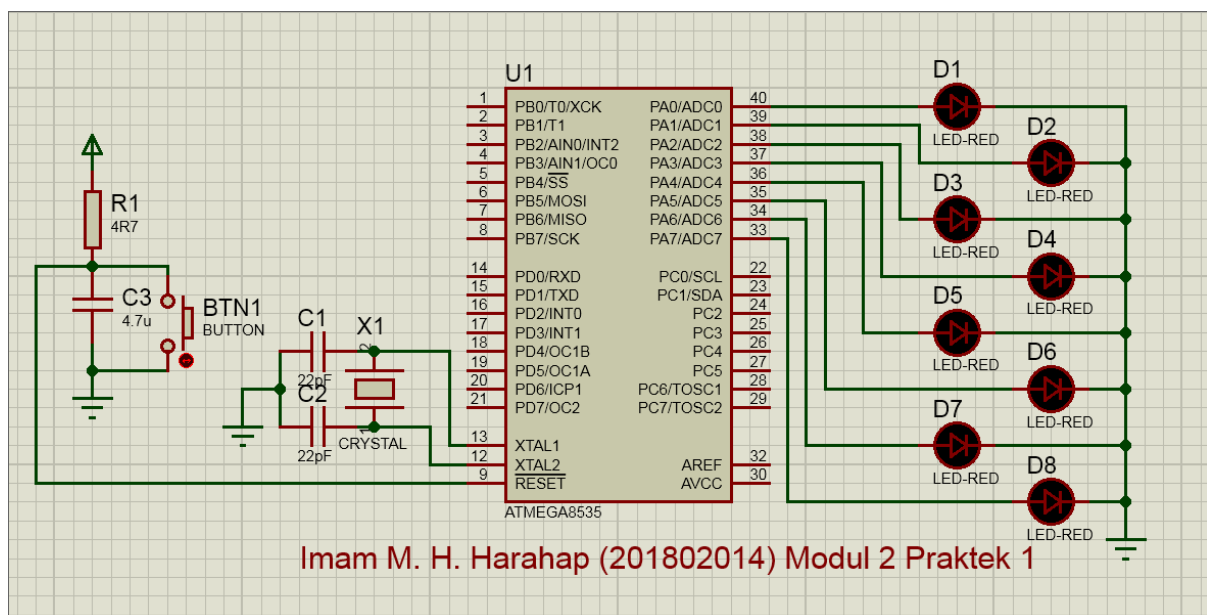
Imam Muis Hamzah Harahap

Praktik LED Berjalan

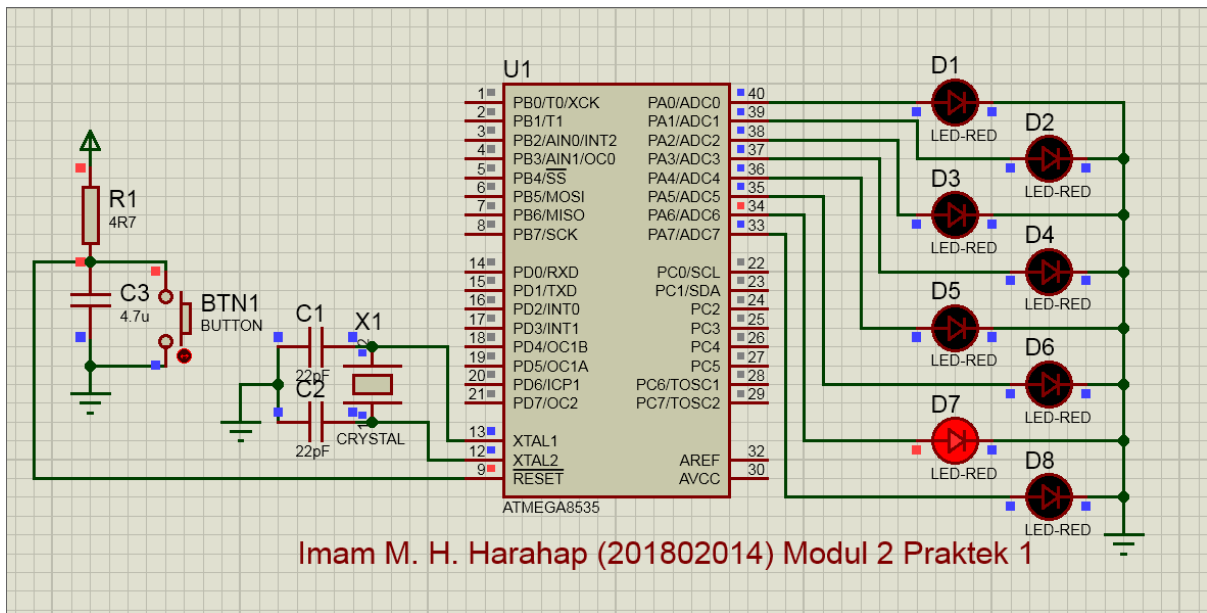
1. Program

```
1  /*****
2  Date   : 25/09/2019
3  Author : Imam M. H. Harahap
4  Company : Mekatronika Politeknik Engineering Indorama
5  Comments: Modul 2 Praktek 1
6  *****/
7  #include <mega8535.h>
8  #include <delay.h>
9  void main()
10 {
11     DDRA=0b11111111;
12     while (1)
13     {
14         PORTA=0b00000001;
15         delay_ms(100);
16         PORTA=0b00000010;
17         delay_ms(100);
18         PORTA=0b00000100;
19         delay_ms(100);
20         PORTA=0b00001000;
21         delay_ms(100);
22         PORTA=0b00010000;
23         delay_ms(100);
24         PORTA=0b00100000;
25         delay_ms(100);
26         PORTA=0b01000000;
27         delay_ms(100);
28         PORTA=0b10000000;
29         delay_ms(100);
30     }
31 }
32
```

2. Hasil



Rangkaian dalam keadaan standby



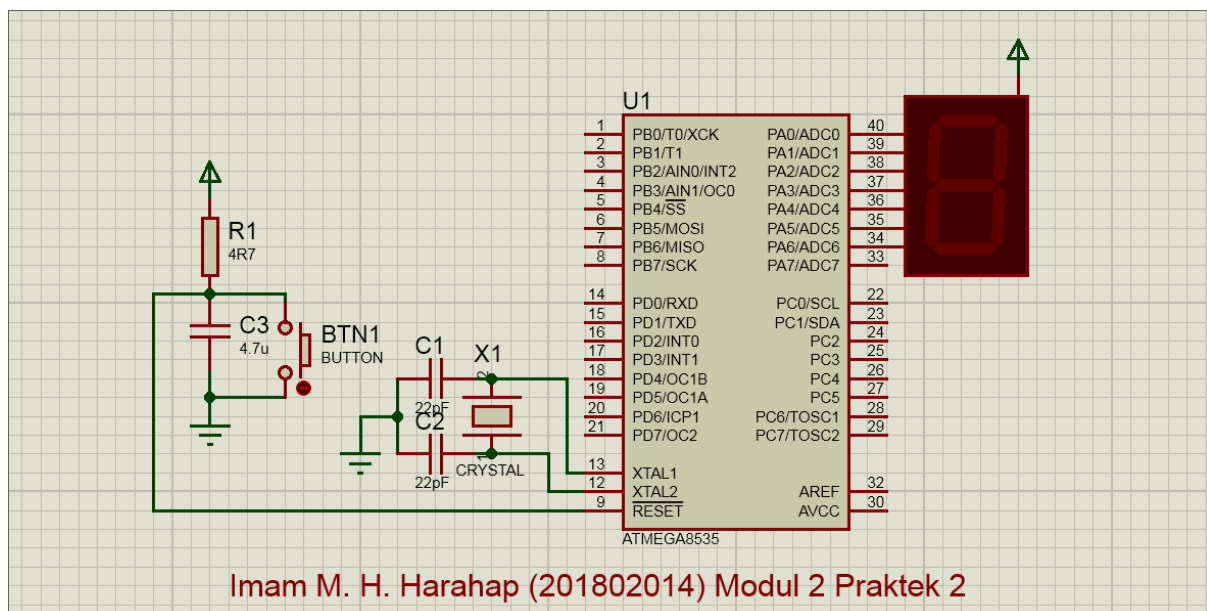
Rangkaian dalam keadaan running

Praktek Seven Segment

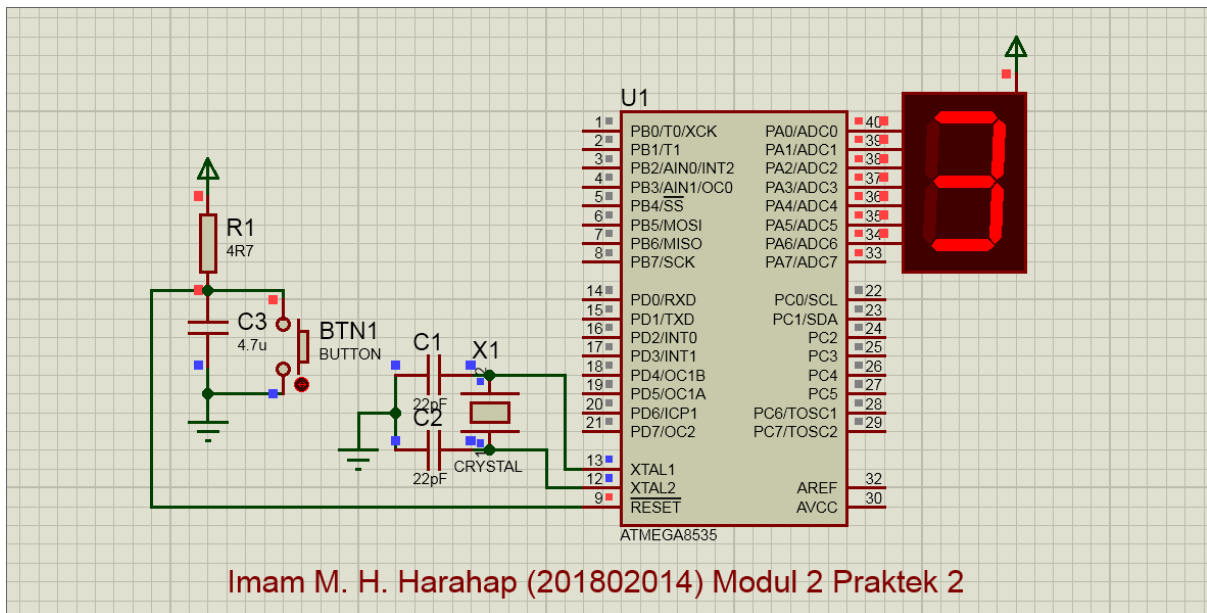
1. Program

```
1  /*****
2  Date   : 25/09/2019
3  Author : Imam M. H.
4  Company : Mekatronika Politeknik Enjering Indoram
5  Comments: Modul 2 Praktek 2
6  *****/
7  #include <mega8535.h>
8  #include <delay.h>
9  void main(){
10     DDRA=0b11111111;
11     while(1){
12         PORTA = 0b10000000;//angka 0
13         delay_ms(1000);
14         PORTA = 0b11111001;//angka 1
15         delay_ms(1000);
16         PORTA = 0b10100100;//angka 2
17         delay_ms(1000);
18         PORTA = 0b10110000;//angka 2
19         delay_ms(1000);
20         PORTA = 0b10011001;//angka 4
21         delay_ms(1000);
22         PORTA = 0b10010010;//angka 5
23         delay_ms(1000);
24         PORTA = 0b10000010;//angka 6
25         delay_ms(1000);
26         PORTA = 0b11111000;//angka 7
27         delay_ms(1000);
28         PORTA = 0b10000000;//angka 8
29         delay_ms(1000);
30         PORTA = 0b10010000;//angka 9
31         delay_ms(1000);
32     }
}
```

2. Hasil



Rangkaian dalam keadaan standby



Imam M. H. Harahap (201802014) Modul 2 Praktek 2

Rangkaian dalam keadaan running