

LAMPIRAN A
SOURCE CODE SISTEM

```
#include <Keypad.h>
```

```
const byte numRows= 4;
```

```
const byte numCols= 4;
```

```
int ledPin = 22;
```

```
char keymap[numRows][numCols]=
```

```
{  
  {'1', '2', '3', 'A'},  
  {'4', '5', '6', 'B'},  
  {'7', '8', '9', 'C'},  
  {'*', '0', '#', 'D'}  
};
```

```
byte rowPins[numRows] = {9,8,7,6};
```

```
byte colPins[numCols]= {5,4,3,2};
```

```
Keypad myKeypad= Keypad(makeKeymap(keymap), rowPins, colPins,  
numRows, numCols);
```

```
void setup()
```

```
{  
  Serial.begin(9600);  
  pinMode(ledPin, OUTPUT);  
  pinMode(23, OUTPUT);
```

```
pinMode(24, OUTPUT);
pinMode(25, OUTPUT);
pinMode(26, OUTPUT);
pinMode(27, OUTPUT);
pinMode(28, OUTPUT);
pinMode(29, OUTPUT);
pinMode(30, OUTPUT);
pinMode(32, OUTPUT);
pinMode(33, OUTPUT);
pinMode(34, OUTPUT);
pinMode(35, OUTPUT);

}

void loop()
{
char keypressed = myKeypad.getKey();
if (keypressed != NO_KEY)
{
Serial.print(keypressed);
}
if (keypressed== 'A')
{
Serial.println("PIR AKTIF");
digitalWrite(ledPin, LOW);
}
```

```
}  
if (keypressed== 'B')  
{  
  Serial.println("PIR SENSOR NOTAKTIF");  
  digitalWrite(ledPin, HIGH);  
}  
if (keypressed== 'C')  
{  
  Serial.println("SEMUA ON");  
  digitalWrite(24, LOW);  
  digitalWrite(26, LOW);  
  digitalWrite(25, LOW);  
  digitalWrite(27, LOW);  
  digitalWrite(23, LOW);  
  digitalWrite(28, LOW);  
  digitalWrite(29, LOW);  
  digitalWrite(30, LOW);  
}  
if (keypressed== 'D')  
{  
  Serial.println("SEMUA ON");  
  digitalWrite(24, HIGH);  
  digitalWrite(26, HIGH);  
  digitalWrite(25, HIGH);  
  digitalWrite(27, HIGH);
```

```
digitalWrite(23, HIGH);
digitalWrite(28, HIGH);
digitalWrite(29, HIGH);
digitalWrite(30, HIGH);
}
if (keypressed== '3')
{
  Serial.println("SEMUA ON");
  digitalWrite(29, LOW); //kamar 1

}
if (keypressed== '6')
{
  Serial.println("SEMUA ON");
  digitalWrite(25, LOW); //ruang tamu

}
if (keypressed== '9')
{
  Serial.println("SEMUA ON");
  digitalWrite(26, LOW); //kamar belakang kiri

}
if (keypressed== '1')
{
```

```
Serial.println("SEMUA ON");
    digitalWrite(24, LOW);
digitalWrite(32, LOW);
digitalWrite(33, LOW);
digitalWrite(34, LOW);
digitalWrite(35, LOW);
}
if (keypressed== '4')
{
Serial.println("SEMUA ON");
digitalWrite(24, HIGH);
digitalWrite(32, HIGH);
digitalWrite(33, HIGH);
digitalWrite(34, HIGH);
digitalWrite(35, HIGH);
}
if (keypressed== '#')
{
Serial.println("SEMUA ON");
digitalWrite(27, LOW); //kamar belakang kanan
}
}
```