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/*
Experiment No. : 15

Statement : To send data from ESP8266 Witty Cloud
Development Board on ThingSpeak cloud.

Date of Exp. : xx/xx/yyyy

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*/
#include <ESP8266WiFi.h> // Library for ESP8266
#include <ThingSpeak.h> // Library for ThingSpeak

// Pinout for Witty Board
#define led 2 // Debug LED (tiny blue)
#define red 15 // RGB LED red
#define green 12 // RGB LED green
#define blue 13 // RGB LED blue
#define ldr A0 // Light Dependent Resistor

WiFiClient client;

long myChannelNumber = 2490614; // Replace with your ThingSpeak
channel number

const char myWriteAPIKey[] = "6HMDV8B3T0AFGU47"; // Replace with
your ThingSpeak write API key

void setup() {
    pinMode(led, OUTPUT);
    pinMode(red, OUTPUT);
    pinMode(green, OUTPUT);
    pinMode(blue, OUTPUT);

    Serial.begin(9600);

    WiFi.begin("OPPO A5 2020", "12345678");
}

```

```
while (WiFi.status() != WL_CONNECTED) {  
    Serial.print(".");
    delay(200);
}  
  
Serial.println();
Serial.println("Witty board connected!");
Serial.println(WiFi.localIP());
ThingSpeak.begin(client);
}  
  
  
void loop() {
    int value = analogRead(ldr);
    Serial.println(value);  
  
    ThingSpeak.writeField(myChannelNumber,      1,      value,  
myWriteAPIKey);  
  
    delay(2000);
}
```



