LAMPIRAN

1. *Lampiran Listing Program Monitoring Polusi Udara*

```
2.  #include <ESP8266WiFi.h>
3.  #define BLYNK_PRINT Serial
4.  #include <BlynkSimpleEsp8266.h>
5.  #include <SimpleTimer.h>
6.
7.  char auth[] = "N3e_NLVJOTWdezetCgnf7YzGDf2V5tNd";
8.
9.  /* WiFi credentials */
10. char ssid[] = "tran";
11. char pass[] = "22062019";
12.
13. SimpleTimer timer;
14. int val = 0;
15. int val2 = 0;
16. const byte PIN = A0;
17. const byte speaker = D2;
18. const byte kipas = D4;
19. void setup()
20. {
21.   Serial.begin(115200);
22.   pinMode(PIN,INPUT);
23.   pinMode (kipas,OUTPUT);
24.   pinMode (speaker,OUTPUT);
25.   Blynk.begin(auth, ssid, pass);
26.   timer.setInterval(1000L, getSendData);
27.
28. }
29.  void loop()
30. {
31.   timer.run(); // Initiates SimpleTimer
```

```
32.   Blynk.run();
33. }
34. void getSendData()
35. {
36. val = analogRead(PIN);
37.   int val2 =val-63;
38.   delay(100);
39.   Serial.println(val2);
40.    Blynk.virtualWrite(V2, val2); //virtual pin V3
41.   if (val2 > 90){
42.     Serial.println ("KADAR BAHAYA");
43.    digitalWrite(kipas, LOW);
44.     delay(100);
45.    digitalWrite(speaker, HIGH);
46.   } else if (val2 <= 90 && val2 > 30) {
47.     Serial.println("KADAR MENINGKAT ");
48.    digitalWrite(kipas, HIGH);
49.    delay(100);
50.      digitalWrite(speaker, LOW);
51.   } else if (val2 <= 30) {
52.    Serial.println("KADAR NH3 NORMAL");
53.    digitalWrite(kipas, LOW);
54.    delay(100);
55.    digitalWrite(speaker, HIGH);
56.   }
57. }
58.
```