

# Review of: "IoT Noise And Air Quality Observation System"

Juraj Dudak<sup>1</sup>

<sup>1</sup> Slovak University of Technology in Bratislava

**Potential competing interests:** No potential competing interests to declare.

In the article, the author proposes a system for monitoring air quality and noise levels. There are several fundamental flaws in the article:

- For the gas detector, there is no mention of what gases the sensor detects. There are many types of gas, each of which is dangerous at a different concentration.
- Figure 2.1 is not the "Tinkercad" software, but just its logo. The picture is useless.
- The use of a buzzer to report gas leaks is contrasted with a second sensor that monitors noise levels.
- The author unnecessarily uses both the Arduino Uno and the ESP8266. All functions can be implemented on the ESP8266 board.
- What is not defined is how the ESP8266 module communicates with the outside world. Does it send data to the server or just to the mobile? Which connection: Bluetooth or Wi-Fi?
- The author did not address the issue of power supply and power saving.
- The possibility of installing more sensors and their management is not described.

The article is on a very poor scientific level.