

## Adding Protelium Gas Sensor for Smartphone to Reduce Explosion in Indonesia

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**Abstract :** By using LPG (Liquid Protelium Gas), it is very difficult to detect gas leak. Consequently, there is so many incident of gas leak that makes explosion which is occurred in many regions of Indonesia. In this paper, the researcher tries to overcome with it by adding gas sensor for LPG in a smartphone. The aim is to choose the best sensor and how to use it . The methode is to choose sensor by selecting from sensor data sheet qualitatively by giving grade from 1 to 5. Flow chart is shown to make best steps notification that possible to implemented in smartphone.

**Keywords :** energy conversion, gas leak, smartphone, explosion, LPG

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