

Abstract

Currently the air condition in big cities is increasingly worrying, one of them comes from vehicle exhaust gas. However, many drivers who drive the vehicle not with the correct technique, resulting in high pollution. Clean and healthy air is an important factor in life. Contaminated air can cause health problems, even causes of death, so a solution is needed to reduce the cause of air pollution, one of which comes from vehicles. In this final project is done for. The software is built using data from On-Board Diagnostic II (OBD-II) speed, permenit ratio (RPM) and accelerator and placed carbon monoxide (CO) sensors in the exhaust. If a driver rides more or less than the eco-drive technique limit on speed, RPM and accelerator, then there will be a sound notification for the driver to drive in an eco-drive. The results of the experimental device for this eco-drive can be done directly and notify, thus reducing the cause of air pollution.

Keywords: eco-drive, sensor CO, OBD-II, RPM, speed, accelerator