

ABSTRACT

According to data from World Health Organization, more than one million people died every year because of accident that related to transportation. In Indonesia, according to data from KORLANTAS POLRI, in 2018 there is 28.772 traffic accident. To prevent lost of lives in traffic accident. To improving the safety standard of vehicle manufacturing and to help investigate the cause of an accident. one of the method is using Vehicle Data Recorder. In this final project, we design and implement Vehicle Data Recorder with engine monitoring system on demand. The system that been created can calculate the location from GPS, parsing data from OBD and then send it to server. Then GSM module that we use can only works at outdoor with data that can be sent over 73.17%. for GPS module, the accuracy of module is about 99.94% compared to conventional GPS on smartphone.