ABSTRACT

Good information provider apps available on mobile phones / PCs are the right choice for people to get millions of information, as well as the operating system that suits the general level of society such as android based applications. The accuracy of the information accessed is as a benchmark of the community in accessing the information they need, the higher the level of accuracy of information accessed, the people who access information tersebuat will be more satisfied, many applications on websites that provide information about OBDII.0 technology and Provides a wealth of information about applications that can monitor the state of the state of a four-wheeled vehicle with the help of OBDII.0 technology from start to pay for free, such as ELM327 monitoring scanner application software on a computer device.

In this final project designed information system about monitoring state of machine status on four-wheeled vehicles and reporting using OBDII.0 technology and "Intern et Of Things" technology based on android, Internet is one of the most important part in technological development, with the help of Internet and Using technology optimally will be designed for the implementation of the monitoring system or machine status record tool on the four-wheel by accessing android-based applications on pc / mobile phone which later the original data has been pressed in the cloud a form of information through internet access and using the technology of internet of these things Which provides accurate and precise status records, such as information that monitors the state of the ECU on a four-wheeled vehicle and so on.

This system can provide information about the state of the engine from the first time the car or vehicle is purchased until it wants to sell it, this monitoring status will be recorded automatically so that the vehicle state information in good condition or the vehicle in a bad state will be accessible through the cloud, will appear to Simplify the information through the application. Besides that this system will facilitate the public in finding information about the vehicle when want to buy a vehicle and when feeling uncomfortable things on the vehicle can also provide information about the state of the vehicle engine in good condition or bad vehicle to provide security and comfort in Support the community's own activities.

Keyword: *Protocol OBD II, Scanner ELM327, IoT*