

## **ABSTRACT**

*The car has now become the main transportation for all people, both private cars and public cars. Besides being practical, cars can reach their desired destinations more effectively when compared to trains. Every car is definitely equipped with ECU and On-Board Diagnostic as an important component in the car itself. But if we talk about the ECU and On-Board Diagnostic, the car manufacturer has made a dashboard to display the sensor parameters obtained from the ECU. Display the results of the sensors are placed in front of the steering wheel of the car so that it can be seen directly by the driver easily.*

*OBD-II data reader devices on four-wheeled vehicles are made in order to be able to read the parameters of sensors in the car to be displayed on the OBD Scanner Portable. The parameters obtained are in the form of vehicle speed, engine speed, oil temperature, fuel rate, engine cooled temperature, and battery voltage. On a car manufacturer, these parameters are only displayed on the dashboard of the car itself. But by using the OBD Scanner Portable, these parameters can be displayed alternately on the OBD Scanner Portable.*

*With the OBD Scanner Portable, users can easily read the condition of the car that is experiencing problems, so they can read the parameters obtained from the ECU.*

**Keywords:** *OBD-II, ECU.*