ABSTRACT

Bus is a land transportation mode that can transport someone from one place to another in large mass. However, buses also have drawbacks in terms of safety due to their large dimensions, which result in blind spots that can lead to accidents.

The Ultrasonic Object Detector for Bus Blind Spot Area, which uses sensors and a monitoring system, can make it easier for bus drivers to detect objects around the bus, especially in blind spot areas. Compact design, reliability, and low cost are some of the advantages of this safety feature system. This device uses ultrasonic sensors, which are installed at various points on the bus to detect objects, and an LCD monitor to display the detection results from said ultrasonic sensors.

The result of this research is a detection device that can detect objects around the blind spot area on the bus, with the detection results displayed through an LCD monitor. Has a good level of accuraty rate and effective in its use.

Keywords: *Blind spot, Bus, Object, Ultrasonic.*