

## **ABSTRACT**

The toll road is a facility that is used as a means of transportation, especially to make it easier for vehicles to walk. Toll roads have several rules that must be obeyed by road users, including toll roads having different maximum weight limits for vehicles. Weighbridge is a set of tools for monitoring and securing traffic facilities that are used to weigh goods vehicles or trucks. Literature study. Literature study. From the results of performance testing, it can be concluded that the website is running well and there are no significant problems. From the test results, it can be seen that the sensor HX711 and load cell run well on this device. Nodemcu succeeded in sending load data to the website and sending telegram notifications to officers when the overload load was above 100 grams. The servo motor worked well by not opening the bars when the load was overloaded and opening the bars when the load was in the normal position.

**Keyword:** Nodemcu, Load cell, servo