ABSTRACT

The car is a daily means of transportation that can carry many passengers, however, the stability of the car when driving plays an important role in the safety and comfort of the driver or passenger. not all suspension systems, especially spring suspensions, match the load status of the car and the road terrain in Indonesia. Efforts that can be made to adjust the suspension with load status and road terrain is to replace the suspension system. One of them is by replacing the spring suspension with Air Suspension, this suspension system uses a balloon as a vibration damper. However, manual controls are installed on the dashboard, causing the dashboard space to be reduced. So, an Air Suspension Control Application based on the React Native *Framework was created. This application uses Bluetooth to connect the application with the Air Suspension device. There are several buttons in the application that function to adjust the compressor, front solenoid and rear solenoid. This application is useful for controlling the suspension as needed.*

Keywords: Car, Pneumatic, Bluetooth, React Native