Abstract

Passenger counting activities are usually carried out on public transportation and buses. But there is also a calculation of passengers on travel. For now, counting on buses is done manually by the bus conductor or controller. In the research that has been done, the bus calculation uses kinematics of human body and SVM, which is good enough but still less accurate. To improve the system, a device is placed on the bus door so that when a passenger rises, it will step on the tool and when the passenger comes down it will step on the tool again. This final project uses a support vector machine method. This vector machine support method is to solve the problem by classifying passengers up and down. The result is the accuracy of vector machine support in the passenger classification up and down which is 95%.

Keyword: ***Count Pasaanger, Bus, Internet of Things, Support Vector Machine***