

Abstract

Activity of Daily Live(ADL) on parents and the owner of physical important analyzed to keep their safety. There are several algorithm can be used to overcome this problem, but other algorithm it is not too accurate in producing of accuracy and sensitivitasnya and consequently many this problem out there who had reduced. Hence, writers will algorithm k-nearest neighbor (knn) corruption .In this study, writer would like sought value accuracy, sensitivity, and spesifitas through the denoising, then extraction features, classification. This final project aims to get high accuracy by using 1 tool that using ESP32 microcontroller and MPU-6050 sensor (accelerometer and gyroscope sensor) and will test 2 ADL like standing, walking and sitdown.

Keyword: Classification, K-Nearest Neighbor, Accelerometer, Gyroscope, Klasifikasi, ADL
