

ABSTRACT

Seniors (elderly people) are people who are over 60 years old. The problems faced by the elderly usually want to live independently or often left alone at home. So there is no family member to monitor the elderly. One of the events that can occur in the elderly is falling. Fall can cause injury, fracture and death. Cases of death caused by falls occur in many elderly.

In this final project, a system designed to monitor elderly activities at home has been made by applying Internet of Things technology. The microcontroller processed data will be sent to the server platform using wireless network. If the type of activity that the server platform receives is fall, it will send an email alert to the family member.

Keyword: *microcontroller, accelerometer, activity, Internet of Things*