

## ***ABSTRACT***

*Information technology has become an integral part of human life these days, especially in the areas of information distribution and information application development to make easier of human work. The high of human mobility in outdoor is one of the factor that could make incidence of various criminal acts in an abandoned house.*

*Surveillance system is a system built to cope with it by processing the recorded video from home using an IP camera that can be monitored from anywhere with internet access. It is possible to minimize the criminal acts that could happen any time at home. The final project is creating a network design and user interface, as a medium to monitor of two IP cameras which placed in two different places in the home, inside and outside the home, as well as the database server that handles the storage of the IP camera video to be processed on the next process. Video streaming is accessible from two IP cameras through web application and stored into the compressed video data.*

*The results of the final project known loss on intranet were 0%, and the minimal periodic time of capture was in every single minute.*

*Key word: IP camera, surveillance system, video streaming*