# *ABSTRACT*

*This research is motivated by the high level of crime in the household, especially theft. The high rate of theft in households can be anticipated by using a more modern home security system, one of which is smart home security. In previous studies, smart lock and smart siren tools were available for this smart home security. However, there is no device that can detect and send captured images to homeowners if suspicious movements are detected. So that the owner of the house does not know when his house is theft or burglary.*

*In this research, the hardware used is ESP 32 CAM and the software used in making this web service is Arduino IDE. This webservice is useful for monitoring control with notification media via telegram bot, which will allow homeowners to know more about the condition of their homes while traveling via telegram bots.*

*The results achieved in this study are webservices that can monitor the surrounding environment and are easy to use regardless of the lack of face recognition performance, namely delay.*

***Keywords:*** *Internet of things, website , smart home, telegram, face recognition.*