# ABSTRACT

*The number of housing needs each year increases. And these problems have an impact on the use of electricity every year. This condition results in the expense of excess electricity. To anticipate electricity energy savings, management of electronic devices is needed. With the existence of modern technology, the concept of home itself is starting to be integrated with the automation system, one of which is a smart home. In this study an automation system will be created to record user habits in using electronic devices. By using the K-Nearest Neighbor classification method, data on user habits recorded will be used as a set of information processed by the system to make predictions on a device. So that the automation system can work according to user habits.*

***Keywords :*** *Smart Home, User Behavior, K-Nearest Neighbour.*