

ABSTRACT

At this time the security system and technology is something that is needed. The technology is now very sophisticated At this time the technology has been made digital and uses an automated system. The high crime rate has now reached an alarming level, Based on the Sumedang District Police in 2018 cases of motorcycle theft rose 45.7 percent. In this Final Project, the writer will make a motorcycle ignition system consisting of a microcontroller which is activated through a fingerprint system. The microcontroller used in this final project is Arduino Uno R3. The way this tool works is when you want to activate a motorcycle, only by using our fingers to activate it. Then after the motorcycle is active we can start the motorcycle and drive it. In this final project has been approved the design of a motorcycle lighting system that uses a fingerprint system. So, the other security besides use the key for lock the handle also have an additional security by authentication by Fingerprint

Keywords: fingerprint, technology, Arduinio.