MULTIPLE SAFETY ON MOTORCYCLES USING FINGERPRINT SENSORS AND IOT-BASED GPS.

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ABSTRACT

Double security on motorcycles using Fingerprint sensors and IOT-based GPS Currently, motorcycles are one of the tools used as transportation media that are the main needs of the community to be used as a means of supporting daily activities. The increasing use of motorbikes triggers the crime rate of motorbike theft. The more demands of life and the harshness of life cause many people to be darkened so that cases of motorbike theft often occur in the community. For this reason, special attention is needed for motorcycle safety. The increasing use of motorcycles today triggers the level of crime such as motorcycle theft which makes people nervous, due to the lack of a conventional vehicle locking system so that it is very easy to break into or duplicate the keys. Therefore, the initiative to modify the security system on motorbikes is slowly being implemented by residents who want their vehicles to be safe when parking. Theft of motor vehicles, especially motorcycles, is a crime that often occurs. This crime is caused by the lack of a motorcycle security system. Motorcycle manufacturers have actually implemented security technology for their assembled motorcycles, but they are still not effective enough to secure motorcycles. From the problems discussed earlier, the author wants to design a replacement tool for conventional ignition by using two commands, to turn on and off the ignition key on a motorcycle, namely using Fingerprints and IOT where later when turning on the motorcycle you can use Fingerprints, and android as the device to control the smartphone and the tool will later be installed in the framework of the motorcycle which is stated in the title of the final project "double security on motorcycles using finger print sensors and IOT-based GPS".

Keywords: Arduino UNO*, NodeMCU, GPS.*