

## Abstract

Theft cases at Telkom University that are spread in social media sometimes has a time lag between the incident with the lost news (source Lost N Found Telu). Stolen goods also various such as bags, laptops, helmets and motorcycles.

The thieves do their action in public places such as canteen, mosque, and parking lot.

To lessen theft cases, it is required a tool that can monitor the existence of valuable goods. For example IOT-based tools that can connect to a smartphone.

The IoT device is created by humans to make it easy for many people to do various things, such as implementation in education, security, health, and much more.

Given these problems, it is deemed necessary to make an IoT-based device used to prevent theft in Telkom University called "DyD". DyD is expected to keep valuable goods and can prevent theft.

The methodologies used to create DyD include literature studies, search and data collection, system design, implementation, testing and analysis, and the final reporting.

The expected final project result is, DyD can send the location of goods and connect to CCTV.

**Keywords** : IoT-based Alarm, Security equipment