ABSTRACT

Internet of Things (IoT) devices are increasingly being used in various important areas of life. These devices operate using various operating systems and can connect to various network technologies at one time. The diversity of IoT devices will create challenges for communication as not all devices can follow the same rules and standards. The challenge on the digital forensics side is that investigative procedures become more complex. The selection of data acquisition techniques in the investigation process is important because digital data evidence is fragile. Research that has been done before, experiments were carried out on IoT devices before finally deciding what data acquisition technique to use. This research proposes a way to be able to determine the right data acquisition technique by classifying IoT devices. IoT devices are classified based on the storage media they have, so that the best data acquisition technique can be determined.

***Keywords**: IoT, digital forensics, IoT devices, data acquisition, digital evidence.*