Abstract

Nowadays, mobile phones are often used in everyday life. These devices are often involved in crime. It allows the presence of evidence that can be a clue crime in the mobile phone. Because it is digital forensics on the phone becomes important considering the increasing number of mobile phones that are found in various crime scenes.

This research will implement forensic activities that focus on the identification of the SIM card. This research involves the validation activities, grouping, timeframe analysis, and ownership analysis. Further investigation of the SIM card is expected to help the process of investigation.

Acquisition results showed there was quite a lot of evidence that can be obtained. But there was also the kind of evidence that can not be taken from the SIM Card as mentioned in the list of potential types of evidence which may be obtained from the SIM Card. Based on the results of grouping of the list of potential digital evidence, SMS and LDN are the two types of evidence which has highest potential.

Keyword: mobile phone forensic, SIM card, digital evidence.