ABSTRACT

Tiya Noviyanti, 92214164
COMPARATIVE ANALYSIS OF MOBILE FORENSIC TOOLS WITH ACTUAL FORENSICS
keywords : forensic, tools mobile forensic, android platform
(xx + 85+ appendix)

      Smartphones are a rapidly evolving technology today, with a variety of functions that support productivity. The main function of the smartphone is communication. The use of smartphones as one of the cheap communication technology, easy and fast often used by some people who are not responsible for committing a crime. With the increasing complexity of capabilities possessed by smart phones provide new challenges in the field of forensic. Mobile forensics is an offshoot of digital forensics relating to the recovery of digital evidence in the form of data from mobile devices, which examines the investigation, analysis, recovery, and management of data from digital media after a crime. The method used is a forensic process model, which consists of maintenance, collection, inspection, analysis, and reporting. The main purpose of this study was to obtain a comparison between AF Logical OSE, Mobile Investigation & Report Maker, and mobile forensic edits, each of which is included as an android based mobile forensic tool. The results of comparison of forensic tools show that each tool has different capabilities in terms of data extraction. However, based on the results of tests performed show the tool MobilEdit has the ability to extract better data.

Bibliography (1991-2017)