Abstract

Digital forensics is a branch of forensic science to carry out the process of acquisition, acquisition, analysis and display of information on digital evidence obtained from digital media or digital devices. Digital forensics is focused on processing digital evidence by investigators. On the other hand, anti-forensics is a technique used to prevent investigators from obtaining evidence to carry out the filling process. Anti-forensic techniques are important for sensitive information that other parties don't want to know, such as personal information / personal data, business information, etc. Smartphones are a type of digital device that is often used to store sensitive information. Where on the smartphone is stored personal data in the form of photos, videos, e-mails, chats, SMS, and others. Remote wipe is an application of anti-forensics techniques commonly applied to smartphones. Remote wipe is able to remotely save all data stored in a smartphone and restore the smartphone to its factory condition / factory reset. The problem that occurs when performing the remote wipe process is that the target smartphone is not connected to the Internet network, so the remote wipe process cannot be done. This study aims to perform the Remote Wipe process on an android smartphone by utilizing the Internet and SMS networks as transmission media. Based on the test results, the SMS network can be used to perform the Remote Wipe process, so that it can be used as an alternative when the target device is not connected via the Internet network.

Keywords: remote wipe, anti forensic, digital forensics, SMS wipe