ABSTRACT

The use of cloud storage on smartphone is greatly increasing with the development of technology. Even cloud storage is a built-in application that is already installed in every smartphone, especially Android. Because of it's flexibility, it allows users to access files anywhere, share and collaborate on managing shared files such as documents and other data. This could potentially lead to a crime whose data is stored in cloud storage. The difficulty which has been experienced by forensic practitioners in doing forensic in cloud storage, is to gain physical access to find artifacts on the server side as well as the use of manual analysis methods that will require time to find artifacts and related evidence about activities performed by the account owner. In this research method used is to compare the results of the acquisition process using an application with the process of acquisition manually done, with this methods the time gained is more efficient 92% compared with manual acquisition. With this method the extraction result generated from the application equals the extraction result using the manual way.

Keyword: *Digital Forensic,, Android Forensic, Cloud Forensic, Forensic Investigation.*