Abstract

Security of a data that belongs to an individual or company data should be maintained in order not to fall into the wrong hands. In maintaining the security, the way is by deleting the data from the storage media. However need a deletion techniques of a truly safe to delete the data, so that deleted data can not be recovered. From this, we need a method that can make deletion of such data is absolutely safe and not easy to be restored with various recovery tools. There are many data deletion methods used to perform securely deleting data on a storage in which each method has its deletion techniques respectively. In this final project used methods of DoD 5220.22M to perform deletion of data storage media SDCard and run on the Android operating system. By making an application for data deletion implement of DoD 5220.22M method. In the test will take several sample applications to analyze the weakness and then repaired its weakness by the application is made. From the analysis of the sample application deficiencies found that application samples when doing data deletion does not compose or delete the file name of the deleted data, so the applications made in addition is intended to perform data deletion also added functionality to make changes to the file name. Applications created using DoD 5220.22-M method in its implementation and has several advantages compared with Andro Shredder and also Remo File Eraser But the application is made has not been able to delete files perfectly and still files can be restored.

Keywords : *anti-forensics, DoD 5220.22M, SDcard, recovery*