

## **ABSTRACT**

*In this changing world, forensic studies have developed with rapidly. These studies are used on technological fields with digital forensic, computer forensic and mobile forensic as the examples. Mobile forensic uses various sources like operating system, communication line, and media storages to analyse and gather data. Most popular mobile operating system is Android. With the growing of the technology, android supports modern data storage. Texts, voices, pictures, and videos can be saved by the operating system. Using that ability, evil-doers can save criminal ideas, the targets, and criminal scenarios. After doing criminality, the actor can delete the data on android mobile phone.*

*In this final project was made a mobile forensic application to get the deleted SMS and CDR data using eclipse and java programming language. Users can show the SMS and CDR or even to save them on to memory storage.*

*This application can restore 100% SMS and CDR data before the factory reset. After factory reset, 40% SMS data and 20% CDR data can be recovered while after flash ROM, no data can be taken back because flash ROM changes previous ROM to the newer one.*

*Keywords : Forensic, Mobile Forensik, Android, Java, Storage media.*