

## ABSTRACT

Most smartphone users today use anti-forensic applications, as Android or iOS users. These anti forensic applications are commonly known as vault applications or applications that can hide files from viewers. Many users store important files in these applications such as photos, videos, and other important files in the vault application that these important files cannot be seen by others. However, using this anti forensic application, the task of an investigator will take a little longer to investigate. At this time, its still very rare to find specific applications to detect hidden files in anti forensic applications. The main focus of this final project is to detect and report the existence of various hidden files in the anti forensic application found on the target Android device. The test was conducted on one device and used five anti forensic applications on the Google play store. The results of this final project research showed that the anti forensic application (vault) detection application on Android can run perfectly with the existing problem limitations. Applications that have been made can find all anti forensic applications installed in the target handphone, and also find files hidden by anti forensic applications.

**Keywords:** mobile forensics, anti-forensic, android, vault applications