

## ABSTRACT

The daily lives of millions of people have been transformed by the advent of the Internet. One of the most significant impacts of the emergence of the Internet is the way people communicate, where Instant Message (IM) and Voice over IP (VoIP) have become part of everyday life. The recent COVID-19 pandemic has increased the popularity of online communication platforms, especially Discord apps. Discord is a text, voice, and video-based online application that enables voice and video calls, media sharing, and text messaging. By 2023, an estimated 514 million Discord users will exist. However, the development of Discord has been used by some people to commit crimes. Due to policy violations such as fraud, Discord disabled 173,745 accounts. To obtain digital evidence, forensic handling, especially digital forensics, is necessary due to the above-mentioned problems. This research aims to identify and analyze digital evidence on the Discord app, including images, videos, and conversation texts that may be related to crimes. This research was conducted on the Discord application stable version 311885 (0ae8466) which is run on a laptop using the Windows 10 operating system. The results of the research after data collection and analysis, found some digital evidence related to the scenario. At the Collection stage, file and memory directories related to the Discord application are found, which then enter the Examination stage, namely the data acquisition process and the data verification process to ensure that no data has changed from the initial data. Based on the results of the analysis process that has been carried out using FTK Imager and Autopsy, it is able to obtain partial digital evidence of the scenarios that have been made. FTK Imager and Autopsy get 15 digital evidence from 15 initial data with a 100% data acquisition accuracy rate. This is because FTK Imager and Autopsy are able to obtain digital evidence in the form of conversations or text, images and videos.

**Keywords:** Discord, digital forensic, data acquisition, FTK Imager, Autopsy