

Forensic Investigation Analysis of WhatsApp Messenger and Telegram Messenger on Android Based Device

M. Daffa Irfandhia
School of Computing
Telkom University
Bandung, Indonesia
sobostar@student.telkomuniversity.ac.id

G. B. Satrya,
School of Applied Science
Telkom University
Bandung, Indonesia
gbs@telkomuniversity.ac.id

Hilal H. Nuha
School of Computing
Telkom University
Bandung, Indonesia
hilalnuha@telkomuniversity.ac.id

Abstract— This study provides a descriptive explanation to the discovery of artifacts related to digital forensic evidence in instant messenger applications i.e., WhatsApp and Telegram. It also explains the method to obtain evidence containing crucial information for forensic analysis in a cybercrime investigation on Android-based WhatsApp and Telegram applications. The experiments to obtain the digital evidence in this study were carried out by simulating the exchange of conversations from the victim to the perpetrator in an online crime of fraudulent buying and selling transaction. The results of the experiment were data such as the type of sent messages, user contact info, timestamps and chronology of the conversations, etc.

Keywords: *WhatsApp, Telegram, Forensic Analysis, BlueStacks*

