ABSTRACT

ANALYSIS OF TROJAN MALWARE IN* UNDANGAN PERNIKAHAN.APK *FILE ON ANDROID SMARTPHONE WITH HYBRID ANALYSIS METHOD

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The use of Android smartphones, which dominate the Indonesian market by 2024 reaching 88.46%, presents a significant cybersecurity risk. National surveys show that more than 98.3% of respondents have received digital scam messages, mainly through links containing malware (65.2%). This research aims to analyze trojan malware disguised as a wedding invitation application using a hybrid analysis method that combines static and dynamic analysis. Static analysis is performed to understand the structure and permissions of the application, while dynamic analysis is performed to observe the behavior of the malware when run on an Android device. The results show that the malware is able to steal personal data such as SMS messages, device information, and send the data to an external server via the Telegram API. The malware can also send SMS without the user realizing it which can lead to further potential abuse.

Keywords: Android, Digital Fraud, Hybrid Analysis, Malware