ABSTRACT

MALWARE ANALYSIS IN ANDROID OPERATION SYSTEM USING PERMISSION-BASED

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Malware has grown rapidly and has more and more types. One of them is on the Android operating system, or commonly called Android malware. Android malware used to get information, control from the device, or make damage to the device that will harm the owner. Malware analysis on android is needed to be able to find out the impact, categories, and other characteristics of the malware. The results of the analysis carried out to find out these things. Analysis of android malware is done to find some information, one of which is the permissions on the application. Permission is one of the features on Android that is used to request permission to use something on the device. The more permissions used and not related to application requirements, the greater the possibility that the application is malware. The impact that the user will receive on unrelated permissions is very large. This permission analysis uses static analysis in the form of reverse engineering. Reverse engineering in malware analysis is useful for extracting data that contains information on malware.

Keywords: Malware, malware analysis, permission, reverse engineering