Abstract

In 2017, 371.4 Million people in Indonesia are active using mobile devices. The comfortable when use mobile devices is the reason population in Indonesia using mobile devices for many activities such as gathering, playing games, and etc. However, on record in 2014, 16 Millions Mobile mobile devices has been attacked by malware. Approaching traditional method such as antivirus it does not working well when confort malware in study using Drebin dataset which is the research based on features permissions in Android applications that use Support Vector Machine (SVM) as Machine Learning for detecting malware. Currently malware be able to evolution, therefore Machine Leaning (ML) can be useful because ML were learning method based on malware behavior. In this research, we developing three Machine Learning that we will fusion using Ensemble Method. The result from this research is Ensemble Method has better accuracy, 98.4%.