ABSTRACT

On this day, the causes of damage to many digital devices, especially computer devices are malware. Malware is a program or software that is intended to interfere with, damage, or harm the device or the owner of the device on which it lives. To take precautions or countermeasures for attacks from Malware, a method for Malware analysis is needed so that in the future you can find out what Malware is doing. This research aims to be able to create a system that can detect existing Malware. The system that will be created beforehand will be trained first with training data that has been obtained previously in the Malware analysis process. This system uses the Random Forest Classifier method so that it can get high accuracy results.

Keyword: *Malware, Machine Learning, Deep learning, Classification, Detection, Random Forest.*