

ABSTRACT

As technology develops, more and more people use computers to make their work easier. With the development of technology, crime in the digital world is increasing, such as malware attacks. The use of computers in digital crimes is becoming more and more common, but many cannot identify what happened to the acquired devices.

Therefore, digital forensics of volatile memory is one way to solve this problem. This final project is to design an application that can analyze and predict anomalies in volatile memory. The research method uses the NIST (National Institute of Standards and Technology).

Analysis of volatile memory dump results using a decision tree for anomaly classification with automatic reading and calculating accuracy. The Classification process is based on the value of the dump file information from the memory sample. This analysis and classification application is capable of performing its functionality on a memory dump.

Keywords: *Digital Forensic, memory volatile, memory.*