

ABSTRACT

In this modernization era, email is still a medium for communication and can be used as digital evidence of a crime. In addition, the use of smartphones in this era is also growing so that the level of crime through this means is even easier to do. Therefore, a mobile forensics activity was created which is useful for investigating digital crimes in the form of mobile devices. In this final project, the writer discusses the implementation of the Boyer-Moore stringmatching algorithm to find the contents of email messages which include phishing indication on android mobile phones. Besides that, it will also explain about the Android architecture, how the Boyer-Moore algorithm works and the use of patterns that will be used to find phishing indications in email. Then the reason why using the Boyer-Moore algorithm, then made a system design to solve the problem.

Keywords: Smartphone, Email, Mobile Forensics, Boyer-Moore Algorithm