

## ABSTRACT

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*Smart identification is a system that integrates server with mobile devices that are used by students using wireless technology to mark the attendance. Smart identification will identify the student's mobile device's MAC address, so it'll be more efficient for the attendance system 'cause it'll only require students to connect to access points. Thus, a network security system is required in this smart identification system. Port scanning, Malware and Denial of Services (DoS/DDoS) is some of the problems that often occur in network security. To solve those network security problems, a network monitoring system is needed. NIDS is a software that automatically works to monitor an event and data packets that comes through the network. With NIDS server in the smart identification system, it can detect any attacks and sending notifications like sms or web interface.*

*Keywords: Smart Identification, Mac address, Network Security, Network Intrusion Detection System*