

ABSTRACT

THE IMPLEMENTATION OF HONEYPOT AS LINUX-BASED SERVER SECURITY SYSTEM

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The application of honeypot as a Linux-based server security system can help secure servers, can help detect attacks that occur on computer networks, and display the results of attacks that occur in logs stored on cowrie honeypot. With the honeypot can be used as a distraction from attackers and able to retrieve information about attacks that occur and attacker information. Honeypot is implemented into a system that becomes a mock system with the aim of attracting attention, detecting, and examining attacks that occur and are carried out by attackers. Based on the tests that have been carried out, it can be concluded that the application of honeypot on a Linux-based server security system at SMK Negeri 3 Bengkulu is able to manipulate ports such as ports 22 and 23, therefore as to avoid and secure ports from attacks such as ping of death which is tested using the LOIC application, SSH, Telnet, port scanners which are tested using the advanced port scanner application, which is stored in the cowrie honeypot log.

Keywords: *Honeypot, Security System, Linux.*

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