ABSTRACT

DESIGN AND ANALYSIS OF DNS SPOOFING WITH USBDRIVEBY USING ARDUINO ON WINDOWS OPERATING SYSTEM

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Universal Serial Bus (USB) is one of the mechanisms used by many people with practical plug and play function, making data transfer fast and easy compared to other hardwares. Windows has a weakness that is easily exploited on the system. There is one method of attacking social engineering using USB, USBDriveby which can exploit loopholes in Windows for people to change the hosts file and do DNS spoofing by connecting USB to the target computer. The purpose of this study is to design and analyze USBDriveby on Windows. This study is also conducted to determine whether the DNS Spoofing attack on the target computer using USBDriveby can be done. The result is that DNS Spoofing testing using USBDriveby was successfully carried out on windows systems and websites that did not activate HTTP Strict Transport Security (HSTS).

Keywords *: USBDriveby, DNS Spoofing, Arduino, Social Engineering, Windows Operating System.*