ABSTRACT

Computer technology is needed by human life, especially personal and group (organization). The development of software that handles computer security is increasingly sophisticated, especially in operating system security. The type of operating system that implements this is the operating system made by Microsoft, namely Windows 10. Operating system users need security for all their assets, especially important information and data in order to maintain the confidentiality of data information. This data information needs to be analyzed to determine the security level of the Windows operating system in securing user data, one of which is by analyzing the Bitlocker Drive Encryption feature on Microsoft Windows 10. As well as analyzing the bitlocker password recovery process using brute force techniques on Windows 10 to determine the level its safety. The brute force algorithm is able to solve the problem in a very simple, direct, and clear way, therefore the brute force algorithm was chosen for this study.

keywords: Bitlocker, Brute, Force, Recovery, Windows