Abstract

Cryptography is the art and science to maintain security message. In addition to developing well cryptanalysis cryptography, cryptanalysis is the science or art to decode cryptography. The most simple method and easy to do cryptanalysis is Brute Force attack. Brute Force is trying all possible methods available to crack the password.

Testing in this research using RC4 cryptography. Password length and key length used 1 s / d 6 characters. The results showed bahw the longer the password the longer it takes to find a password lock has no effect while the length is too big to suss password. GPU is superior to the current CPU password length is more than 3 characters.with a percentage of 23.11 % during the 6 characters long plaintext.

Keywords: Brute force, CPU, GPU, RC4