

## ABSTRACT

*Data security is important to keep its secret. One way to protect a data is with encrypting the data. Encrypting is the transformation process from the original data (plaintext) to encoded form (ciphertext) so it is cannot be recognized as a word or phrase again. While transformation process from ciphertext to plaintext called as decrypting. Input base 64 in form binary data block in various extension such as txt, jpg, png, gif etc, ASCII, and even graphics and sound. administrator has a full responsibility to all of the resource that provide in a network system, including protect the source code which in the web server. The usage of system security application facility in default cannot be guaranteed to save source code they have. This research is focused at a method expansion by designing a function that can be used to encrypted source code in web server based on base64 RFC 2045 and RFC 4648. A function, which has ability to encrypt and decrypt various type of file, such as character, graphics, etc. So that only certain people are capability to process the files Using cryptographic base64 algorithm applications.*

Keywords : Encode, Decode, Plaintext, Ciphertext, BASE64 Algorithm.