

Abstract

Information Technology improvement lately, raise the value of information it self. Because of that, we need to protect the information with so many possible ways. One of the custom way to protect the data especially image, is encryption. Encryption is a sub description of math science which using computation to randomize data in purpose to forbid the strangers to access or modify the data.

Different with other kind of data such as text or document, digital image is not being compress and commonly it has large size data. As it development, nowadays, due to huge amount of data and high correlation among pixel, an encryption algorithm that can fulfill the condition of encryption process which is fast and secure for image is being needed, so the information is being preserved.

This Final Project will discuss about an encryption scheme for the digital image. The proposed encryption scheme in this final project uses chaotic-map. Chaotic-map methode will be use is baker-map

By using baker-map, digital image encryption will be more secure and fast. In thus, information can only read by the receiver securely.

Keywords : encryption, chaotic-map, baker-map, digital image