

DIGITAL IMAGE WATERMARKING USING LSB METHOD

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DIGITAL IMAGE WATERMARKING USING LSB METHOD

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ABSTRACT

Nowadays, the transmission of data is very important and it has been carried out by using digital media (Internet, e-mail). There are some problems that may occur in the transmission of digital media data which is associated with data security level to be sent. Base on that condition, the thought of doing data concealment are emerge. Digital image is one of the most common media used by the community. Digital watermarking is one of cryptography methods which used to hide data into digital image so that the data sent cannot be identified by the irresponsible people. Data encryption is used to improve the security of data to be sent. Internet as the world's largest network system that connects nearly all computer worlds, making all the computers in the world is increasingly easy to exchange data. There are so many digital data falsification has occurred. Digital falsification of data aimed to succeed the counterfeiting syndicate these hidden plans. the falsification problem of digital data will from be resolved by applying the watermarking using LSB method (Least Significant Bit).

Keywords: Digital Watermarking, LSB method

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CHAPTER I

INTRODUCTION

This chapter introduces a brief description of this study. A general overview of the field of this work, problem statement, the objective and the scope of this study has been presented.

1.1. Background

Computer has been rapidly used in almost all aspects of life. Based on the history of modern computer it's begun with two separate technologies automated calculation and programmability, but no single device can be identified as the earliest computer, partly because of the inconsistent application of that term. The word of computer represents a tool which carried out calculations, or computations, and the word which is continued with the same meaning until the middle of the 20th century. From the end of the 19th century onwards, the word began to take on its more familiar meaning, describing a machine that carries out computations (Rojas, et al, 2000).

Computer is a tool used to process the data according to procedures that have been formulated. Computer as digital processing equipment is currently owned by almost every family. Nowadays, computers are also widely used as a medium of entertainment and communication sharing. Using computer, people share their

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