

INSERTING SECRET MESSAGES IN IMAGES USING THE LEAST SIGNIFICANT BIT (LSB) STEGANOGRAPHY METHOD AT YOGYAKARTA FINE ARTS MIDDLE SCHOOL

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ABSTRACT

In the era of rapid development of information technology, information security is a major concern, especially for confidential data. The threat from cybercriminals such as hackers, crackers and carders is increasing, fueling the need for innovative protection strategies. This research report examines current conditions that indicate high risks to confidential information, especially in the context of copyright. In addressing the details of information security problems, this article proposes a solution using steganography. The application of the Least Significant Bit (LSB) method in steganography is the main focus, where copyright information is inserted by disguising the message in the image. This method provides a high level of security without arousing suspicion. The results of this research show that the use of steganography using the LSB method is successful in encrypting copyright information in images effectively, maintaining data confidentiality without arousing suspicion from unauthorized parties.

Keywords: Information Security, Steganography, Least Significant Bit (LSB), Copyright.