# IMPLEMENTATION OF FILE ENCRYPTION AND DECRYPTION USING WEB-BASED STANDARD DATA ENCRYPTION ALGORITHM

## (Case Study: PT Tiga Putra Group, Mesuji, OKI)

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## *ABSTRACT*

*PT Tiga Putra Group is engaged in the field of micro, small, medium and cooperative business services. The lack of security for data stored by the company occurs because the recording is still done conventionally in the form of written recording by the company which makes daily data collection unorganized and stored properly. "Implementation of File Encryption Decryption using the Web-based Data Encryption Standard (DES) Algorithm" is expected to protect important document files and privacy for PT Tiga Putra Group. The data in this study are in the form of daily income and expenses and monthly data and other files related to the company. Data from the recording file is only stored without using any security, so data confidentiality is not guaranteed. The standard data encryption (DES) method is used to help secure files and can help the development of the PT Tiga Putra Group company. DES is expected to be able to protect confidential data files and other information data in the company, as well as protect files from parties who do not have access rights. The use of Data Encryption Standard (DES) provides a high level of security. With this system, the author hopes that the security of file data at PT Tiga Putra Group can be more secure and guaranteed because it is secured using the Data Encryption Standard (DES) method.*

*Keywords: Cryptography, Data Encryption Standard, PHP, Database, Web.*