

# ***DESIGNING A TEXT FILE DATA SECURITY PROGRAM USING THE TWOFISH ALGORITHM***

***(Case Study: Cahaya Fotocopy, Sukoharjo Regency)***

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## ***ABSTRACT***

*Ease of accessing information has an impact on information security. Cahaya Fotocopy is a business that operates in the printing services sector and is located in Sukoharjo Regency. This strategic location means Cahaya Fotocopy is often used as a customer for printing documents. Cahaya Fotocopy provides a confidentiality agreement or Non Disclosure Agreement (NDA) to maintain the integrity of documents. The confidentiality agreement or NDA is stored in the form of a document file and is located in cloud storage such as Google Drive. Storing NDA documents in cloud storage has the potential for data leaks. Therefore, research was carried out to secure NDA documents because they are confidential. The results obtained are in the form of a cryptographic application to encrypt and decrypt document files in docx, pdf and txt format. Application testing is carried out using the Blackbox Testing method which tests 6 application work functions. Test results show that the application runs well.*

***Keywords:*** *Twofish Algorithm, Non Disclosure Agreement, NDA, Encryption, Decryption, Application.*