

**IMPLEMENTATION OF CRYPTOGRAPHY USING STANDARD  
ADVANCED ENCRYPTION ALGORITHM ON MICROSOFT OFFICE AND  
PDF FILE ENCRYPTION AND DECRPTION**

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**ABSTRACT**

*Cryptography is one solution that can be utilized and developed in dealing with problems regarding data security. By encrypting data, data security will be more secure and safe. Cryptography has many techniques for encrypting data and one that has a high level of security and difficulty in solving it is the AES (Advanced Encryption Standard) algorithm. When encrypting data, you must enter a key that will secure the data. This can reduce the leakage of information to unauthorized parties such as cellular phone operators or other parties. Because it contains important data, it must be accompanied by adequate system security, such as security using the Advanced Encryption Standard algorithm which allows important data to remain safe and cannot be changed by irresponsible people.*

*Keywords: Cryptography, Encryption, Description, AES.*