

IMPLEMENTATION OF AES AND RSA ALGORITHM FOR SECURITY OF VALUABLE NOTARY DOCUMENTS

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ABSTRACT

Security and confidentiality are aspects that must be considered when managing documents or files. Documents that are considered to have high importance value have the potential to be misused by certain parties who have bad intentions. Examples of these valuable documents are land deeds, wills, agreements and other valuable papers which must be kept secure and confidential by a notary institution. One form of effort to improve security is to apply developments in information technology to support the security of valuable documents. Information technology that has the opportunity to increase the level of document security is cryptography. Therefore, the author intends to implement the AES and RSA algorithms to assist notaries in securing their valuable documents. This system was designed using the PHP and MySQL programming languages. The output of this research is a system that increases the security of notaries' valuable documents with document encryption and decryption methods. Encrypted documents will not be read. Encrypted documents can be read after going through the decryption process by the system.

Keywords: Notary, Document Security, Cryptography, AES, RSA, System.