IMPLEMENTATION OF DES AND RSA ALGORITHM TO SECURE IMPORTANT COMPANY DOCUMENTS
(Case Study: CV. Yaksa Sakti Sleman)

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ABSTRACT

Document file security is very important for every company agency today. Document files usually contain important company information, be it confidential company reports, important company agreements, or company history. A document file that is vulnerable to being stolen and read by unauthorized people can certainly cause harm to the company or the possibility that the document information can be changed and then misused. Because of these problems, it is necessary to build a website to secure document information by applying cryptographic algorithms. In this research, researchers will create double security which will combine two cryptographic algorithms, namely Rivest Shamir Adleman (RSA) and Data Encryption Standard (DES) which will be applied to the document information security application that will be built. The result of this research is that the document file security system uses a combination of two encryption and decryption algorithms, where documents that have been encrypted will contain random symbols and text, and to return them to their initial format, a decryption process needs to be carried out, this makes the security of the document data content possible. awake.

Keywords: Security, Document, DES, RSA, Cryptography.