

***IMPLEMENTATION OF SECURITY OF POPULATION FILES  
USING STANDARD ADVANCED ENCRYPTION ALGORITHM  
(AES) AT THE SUMBUNG VILLAGE OFFICE  
(Case Study: Sumbung Village Head's Office)***

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***ABSTRACT***

*Security of document files is very important for every Village Head's office. Document files usually contain important information, be it population files, financial document files, land document files, or village archives. A document file that is vulnerable to being stolen and read by irresponsible people can certainly have serious impacts, which can be detrimental to the village hall office and the privacy of residents in the village. It is possible that the document information can be changed and then misused. To mitigate the potential misuse of information by irresponsible parties, the use of file security is very necessary. This research aims to develop a population file security system by applying encryption and decryption methods using the Advanced Encryption Standard Algorithm (AES). This research is expected to make a significant contribution to the development of information file security at the village government level.*

***Keywords:*** *Security of population files, Standard Advanced Encryption Algorithm (AES), Encryption, Decryption.*