

STUDENT DATA SECURITY APPLICATION USING AES CRYPTOGRAPHY ALGORITHM

(Case Study: MAN 1 MANDAILING CHRISTMAS)

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ABSTRACT

The development of information technology is currently growing rapidly in various fields. The presence of technology can make work easier and quicker to complete. Creating a student data security system and implementing data security technology when the system is really needed to be implemented into a student data security system. Due to the large number of data thefts occurring on the internet, the idea arose to create a student data security system application at MAN 1 Mandailing Natal. The aim of this research is to implement the Advanced Encryption Standard algorithm in the context of securing student data. The data collection method involves analyzing students' data security needs. This system will help in collecting student data and maintaining the security of student data from irresponsible parties.

Keywords: Data security, Advanced Encryption Standard algorithm