

IMPLEMENTATION OF DATA SECURITY USING THE ADVANCED ENCRYPTION STANDARD METHOD

(Case Study: State Junior High School (SMPN) 3 Bungku)

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ABSTRACT

The State Junior High School (SMPN) 3 Bungku is located on Jalan Produk, No.2, Ipi Village, Bungku Tengah District, Morowali Regency, Central Sulawesi Province. Lack of database security in academic information systems is a problem for the State Junior High School (SMPN) 3 Bungku. This research aims to secure, maintain integrity and prevent misuse of data. AES is implemented in the academic information system to maintain the confidentiality of student data or documents through the media website that will be built. This study uses qualitative methods through direct observation, interviews and literature study. The implementation of the Advanced Encryption Standard data security system is expected to be able to provide a system that can perform encryption and decryption and secure data in order to maintain the confidentiality and authenticity of the data. This system is built using a web browser and is made using the PHP, Javascript, MySQL and HTML programming languages.

Keywords: *Website, Advanced Encryption Standard, PHP, MySQL*