

***PAYROLL DATA SECURITY APPLICATION BASED
WEB USING AES CIPHER METHOD
(Case Study: Mango Dua Store Kebumen)***

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ABSTRACT

Mangga Dua shop is a shop that is engaged in selling clothes, pants and other products. In processing employee salary data, Mangga Dua Shop only processes data in the form of text files in Microsoft Excel without any file protection which causes data misuse by unauthorized persons. To solve this problem, data protection is needed using a method to encrypt employee salary data. In a study conducted to protect employee salary data using the Aes 128 Cipher Method. This research resulted in a Web-Based Payroll Data Security Application Using the Aes 128 Cipher Method by performing encryption and decryption to protect employee salary data. Based on the results of research and discussions that have been carried out, it shows that with the Data Security Application Using the Aes Cipher Method 128 employee salary data at the Mangga Dua Store can be encrypted and decrypted with a very high level of security. So that it can avoid any misuse or manipulation of data that can be done by unauthorized people which can result in losses to the Mangga Dua Store.

Keywords: Advance Security Standard, Payroll Application, Website, PHP, MySQL