

**EMPLOYEE SALARY DATA SECURITY APPLICATION
USING THE REGISTERED SECURITIES ANALYST
ALGORITHM (CASE STUDY: CV. PRIMA JAYA SOLUTION)
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ABSTRACT

CV Prima Jaya Solution is a company that operates in the field of servicing and repairing internet networks, WiFi, computer devices and network installations. CV Prima Jaya Solution still uses manual employee payroll and security is not guaranteed, so the author is trying to build a payroll system using the RSA algorithm method. This system is designed using PHP and MySQL. This system was developed to maintain security using code in the form of files using encryption techniques so that the confidentiality of the data is guaranteed. One encryption algorithm that is often used is the RSA algorithm. The methods used in this thesis are literature study, problem formulation, problem analysis and solving, revision, and drawing conclusions. In this research, the RSA algorithm is used as a data protector. The system will generate public keys and private keys to secure data. All user data including encrypted passwords, public keys, except the user's private key, will be input into the database.

Keywords: Encryption, RSA, PHP, MySQL..