DESKTOP-BASED SECURITY CHAT WITH CAESAR CHIPPER ENCRYPTION

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ABSTRACT

In the digital era, information is very easy to obtain, including sending messages. If the contents of these confidential messages are leaked, it can have a negative impact on individuals, groups or companies. Research shows that there was an accumulation of 4.5 billion data hacked globally in 2018. The goal to be achieved in the research entitled Desktop Based Chat Security With Caesar Chipper Encryption is to implement message encryption and decryption technology on digital messages. The method used in message encryption and decryption is the application of the Caesar Chipper method for chat data security. This system is built using a client server, and is designed using a MySQL database to store message data and user data. The security chat system is designed using a desktop platform and uses the Caesar Chipper method. From the results of testing the entire system, it has been found that the Caesar Chipper method has worked with the system rotating the character sequence based on the number of keys that have been given. So that users can use the application safely and comfortably without having to worry if the contents of the message are intercepted by other people.

Keywords: *Desktop Application, Caesar Chipper, Chat.*