ABSTRACT

Advances in information technology are developing very rapidly. Progress has occurred in various fields, both in the field of cellular communication which has an open concept in the system, so that it can make it easier if someone wants to have access to enter the network. This can cause problems, where data transmission will be insecure, where there are other irresponsible parties who want to retrieve data that is running. In order to achieve the goal of security, there are various security methods that can be used and developed. In protecting and maintaining the confidentiality of existing data, in order to avoid irresponsible people or parties, you can use cryptographic methods. For data security techniques and methods, there are many cryptographic methods that can be used. These cryptographic methods have their own techniques and procedures. One of the methods used is the Reverse Cipher method. However, the use of the Reverse Cipher method cannot fully work properly or can be said to be weak. So to support better and stronger security, this Reverse Cipher method can be developed and combined with RSA using a public key, and has quite high security. The use of two combinations of methods is added with the Vigenere Cipher method again in order to get results that have a better percentage of security.

Keywords: Kriptografi, Reverse Cipher, RSA, Vigenere Cipher