ABSTRACT

IMPLEMENTATION OF RSA ALGORHYTM TO SECURE MESSAGE ON INSTANT MESSENGER APPLICATION

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Internet comes to introduce new forms of communication and its growth from year to year is very rapid. Instant messenger is a software that uses Internet services and become a favored form of communication because it provides real time text conversation. However, most instant messenger built not on the security aspect which should be the primary consideration but emphasizes aspects of the business. Eavesdroppingo or better known as wiretapping, ranks first in the assault case and tapping messages on instant messenger applications. Therefore, we need a system that can secure the use of the message so that privacy can be maintained later.

RSA algorythm is one of the cryptographic algorythm offers a mechanism to secure data by using a different key, the public key for encrypting messages and a private key to decrypt the message.

So that the process of implementing the RSA algorythm with instant messenger applications are expected to maintain the security of messages sent or received by the client, especially the message that nature requires a high level of privacy.

***Keywords** : Instant Messenger, Public Key, Private Key, Client*