

ABSTRACT

Currently usage of computer technology is a necessary, because a lot of job can be solve with fast, accurate and efficient. With growing of communication technique and data processing system, make communication between computer user to transfer data become easy.

It's have a risk if the important data was access by unauthorized person. To avoid this risk, security and secret of data is the most important aspect. Interrelated with sending and received information by true persons.

This research make a data security application to keep secret and validation of data using RSA algoritn consist of key generation algoritm, encryption algoritm, decryption algoritm and digital signature algoritm.

Keyword : *RSA algoritm, key generation algoritm, encryption algoritm, decryption algoritm,digital signature algoritm.*