ABSTRACT

DESIGNATION AND APPLICATION OF DATA SECURITY SYSTEM ON SOFTWARE "KOMDAT LAN" BY USING CRYPTOGRAPHY WITH RSA ALGORITHM

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Application of computer technology as one of the applications of information technology has been a necessity. In line with developments in technologies, the technology of instant messenger, once used for only making conversation in an integrated network, now has been applicable to mutually exchange files. With the developments in telecommunication techniques and data processing system closely related to communication among one computer user with another that serves to distribute data, so security problem becomes an important aspect of the technology it self

Presented in this assignation is design of an of KomDat LAN that is emphasized on data security technology when sent and received by computer network. In this case, the technique used was cryptography with RSA algorithm consisting of key generation, encryption, and decryption algorithm.