

Abstract

Communications represent important aspect that can't be dissociated from human life, start from ordinary communications in the form of conversation until communications using sophisticated technology using certain medias such as video conference. Technological growth of communications also in line with technological growth of data security. Data security represent one of important aspect in communications management, especially if communicated data represent in secret datas . Therefore we needed the method which used as a peacemaker media in data communications at application of video conference in order to the party which have no business to access data represent in data secret., one of method by using encryption.

At this final project will be done by making of application of video conference by using java programming language and JMF(Java Media Framework) by applying Blowfish algorithm as method of security of data multimedia which exchanged in application of audio of video conference. Result of final project obtained that use of algorithm Blowfish do not give influence bothering to quality of audio and video from application of video conference or equally use of algorithm Blowfish still be competent used in application of video conference by using Java And Java Media Framework.

Keywords: *video conference, encryption, Java, Java Media Framework, Blowfish*