

ABSTRACT

**THE IMPLEMENTATION OF CLASSIC CRYPTOGRAPHY ALGORITHM
IN ENCODING OF CLIENT SERVER-BASED
CHATTING APPLICATIONS**

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Security and confidentiality issues are one of the important aspects of data, messages and information. One technique that can maintain data confidentiality is cryptography. Vigenère Cipher is a classic cryptography algorithm that works by reading word per character, where if the message sent exceeds the length of the key used, the key will be repeated again until the message sent gets its respective key. The implementation of system uses Visual Basic 2010 programming language and the method used in this research is waterfall, this application is designed using UML (Unified Modeling Language). The result of this research is a software application that is useful for maintaining message confidentiality using the Vigenère Cipher algorithm method. This application can be a solution for securing data in chatting process.

Keywords: Cryptography, Vigenère Cipher, Chatting.

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2. Supervisors

