Universiti Teknologi MARA

ENCRYPTED EMAIL USING 3D-AES BLOCK CIPHER ALGORITHM

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JANUARY 2015

ACKNOWLEDGEMENT

Alhamdulillah, praise and thank to Allah because of His Almighty and His utmost blessings, I was able to have the courage and strength to complete this project.

I would like to thank and gives utmost appreciation to my supervisor, Dr. Suriyani Ariffin for all her valuable guidance and her willingness to help me during the stages of this project development. Her advice's and guidance has been invaluable in the completion of this thesis and I really appreciate it.

Last but not least, my greatest gratitude and appreciation to my family, friends, and colleagues who have supported and encouraged me in doing my project. All their help in this project are priceless and are kindly appreciated.

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ABSTRACT

Encrypted email is addition mail that comes up with prototype application called, 3D-AES block cipher. There are three objective designed: To identify an encrypted email application development of 3D AES block cipher algorithm and hash process, to develop encrypted email using 3D AES process on email and lastly to measure the validity of the encrypted & decrypted email message by comparing the hash value generate before encrypt and after decrypt. The purpose of this project is to develop encrypted email application equip with confidentiality and integrity message using 3D-AES block cipher for confidential and integrity. The main finding of this project will produces a security of message content. This new application will produces a higher security services: authentication, confidential and integrity. Lastly, this project had accomplish all their objective which important in process of developing the mail prototype application using 3D-AES block cipher as confidential process as integrity purpose.