AN ANALYSIS ON SKYPE A VOIP APPLICATION

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A THESIS SUBMITTED IN PARTIAL FULFILLMENT FOR THE BACHELOR OF SCIENCE (HONS) IN DATA COMMUNICATION AND NETWORKING

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APRIL 2005
DECLARATION

I hereby declare that the work in this thesis is on my own work. Materials of work found by other researchers are mentioned by reference. This thesis neither has in whole nor in part between previously submitted by any unspecified sources or persons.

April 2005             NIK MOHD NAZIM BIN NIK ZAHARI

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ABSTRACT

Skype is a peer-to-peer VoIP client developed by KaZaa in 2003. Skype claims that it can work almost seamlessly across NATs and firewalls and has better voice quality than the MSN and Yahoo IM applications. It encrypts calls end-to-end, and stores user information in a decentralized fashion. Skype also supports instant messaging and conferencing. These researches analyze the voice packet in Local Area Network and also analyzing the security method of Skype application between users across the internet while using instant messaging services. This research is using Sniffer Pro to analyze the voice packet and Ettercap to sniff the Skype application while the user is using instant messaging services. After the analyzing has been done the result is that Skype application has a good quality voice and the delay is normal. Compare to other instant messaging services, Skype uses encryption method to encrypt the text to send to other user across the internet.