

**COMPRESSED RTP PERFORMANCE FOR VoIP APPLICATIONS  
IN IEEE 802.11 NETWORK**

This thesis is presented in partial fulfilment for the award of the Bachelor of Electrical Engineering (Hons.) Universiti Teknologi MARA.



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## ACKNOWLEDGEMENT

بِسْمِ الرَّحْمَنِ الرَّحِيمِ

In the name of ALLAH  
The compassionate, the Merciful,  
Praise be to ALLAH, Lord of the Universe,  
And Peace and Prayers be upon  
His Final Prophet and Messenger

This thesis is the effort of a number of people. Here I would like to express my sincere thanks to each and everyone whom involved in the development of this thesis.

Firstly, I am particularly grateful for my family, especially my wife, Pn. Maizatul Adilah and my daughter for their encouragement and continuous support during my study. Also thanks to all lecturer who have valuable knowledge throughout my study in UiTM.

I am greatly indebted to my supervisor, Assoc. Prof. Ruhani Bt. Ab Rahman for her valuable comments, guidance, suggestions and opinions throughout this thesis. Without her cooperation, this project may not succeed.

To all my friends, together with whom I have shared my sorrow and cheer, for the all opinions, suggestions and constructive comments.

I express my deepest thanks and appreciation. Truly no words could make up for all the favours that I have received. I am greatly indebted to you all. Thank you and may Allah bless and reward them for their generosity.

## ABSTRACT

Compressed Real-Time Transport Protocol (cRTP) is a protocol that can reduce the header in the VoIP packets. It's a point to point protocol and can be readily implemented on the WLAN (IEEE 802.11) networks.

In this paper, the effectiveness of silent suppression (SS) and compression of RTP header applied to typical voice over 802.11 networks is being investigated by integrated simulations. Distributed coordination function (DCF) and point coordination function (PCF) networks are examined. The results shows that PCF distributed system are more suitable towards real time traffic. Reduction in packet sizes and packet count will give better perceived connection quality through shorter end-to-end delay and reduced packet loss.

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