

ABSTRACT

Today, increasingly development of telecommunication technology makes video communication demand into one thing to be fulfilled. To require these demands, it has to have encoding that can provide best video quality, it can be transmitted with low bit rates until video in the client have same quality as the real video.

This allows the presence coding techniques that have been recommended by ITU-T, known as advanced video coding (AVC) such as H.264 pr MPEG 4 part 10 dominate the community of video coding standards in recent years. With H.264 encoding low bit transmission can be fulfilled with the risk of a trade – off (loss of quality result video).

In this thesis analyzed the performance of the baseline profile of H.264 slice group in the LAN. Network parameters that will be measured to assess the video result from PSNR, and network parameters such as jitter and delay in which will be tested in LAN network. The methods used in this thesis are literature reviews, simulation perform and analysis.

This thesis is give some conclusion in which good performance using baseline profile in the slice group in the H.264 encoding application parameters in terms of PSNR, delay and jitters.

Key words : Baseline Profile, ASO, slice group, LAN