

ABSTRACT

Now days, video compression technology has become more advanced. The new emerging compression algorithms gives better video quality. The faster computer hardware is supporting the complex algorithms so it does not need a longer time to process. The MPEG-1 video format that published in 1990 had low quality video compared to the digital video that popular recently such as MPEG-2 and MPEG-4.

The video enhancement technique can be used to enhance videos that have degraded quality because of noise, the limited storage medium and the limited process that makes the video unperfected. With this technique, the digital video format can be enhanced to give better qualities.

In this Bachelor's theses it will used video enhancement technique using Discrete CosineTransform(DCT) in MPEG-1 digital video. From the simulation, the optimum reflectance percentage is 25%.

Key words : *video, Mpeg-1, video enhancement, DCT*