

## ABSTRACT

Now, the development of mobile wireless network technology is growing. One of its development, can support streaming video service that can be applied to monitor condition of a place. The problem is how the video quality that can be resulted from the service. To know the video quality of these service so will be recording parameter of QOS video.

In this final project was done monitoring the condition of a place by using a camera that connected with a video server that has been connected with the modem. Then the video will be sent to a video server that can be accessed by the user using video service based on website.

The purpose and benefits of monitoring camera system based on web is able to determine the quality of video that result in the client using subjective methods (MOS) and objective methods (E-Model). It also can provide information to the public about traffic conditions in same place. Based on the results of realization, monitoring camera system capable of running as planned. After making the capture using wireshark obtained the average delay in busy hour is equal to 261ms and not busy hour is equal to 125ms, packet loss in busy hour is equal to 14% and in not busy hour is equal to 10%, throughput in busy hour is equal to 118623bps and in not busy hour is equal to 151326bps. After doing calculations using E-Model, system obtain the MOS value of 3,06904 which means good enough. While using the method of subjective value obtained for the aspect of whether video streaming can be seen clearly is equal to 3,15 which means good enough. The value obtained for the aspect of easy to access the video streaming is equal to 3,65 which means good. Than the value obtained for the aspect of speed the process loading video is equal to 2,8 which means good enough. And finally, the value obtained for the aspect of whether the sound can be hear clearly is equal to 2,5 which means good enough.

*.Keywords : streaming, parameter of QOS, webserver, video server*