

## **ABSTRACT**

In this era of increasingly rapid development of technology, the world of communication has become a part of almost every person in the big cities of Indonesia. Access to communication is the primary demand for consumer as the service of social interaction, every information in the world until entertainment news. One of the entertainment service that has potential to grow is TV Streaming service.

Until now, one of the entertainment applications that deliver television programs to consumers via internet access is TV Streaming. By showing programs from various television stations, the user can select the desired TV station program directly. So the users can watch television program wherever he is.

The final task is carried out to analyze the quality of TV streaming services using RTMP protocol and Red5 as server. My Implementation has been successfully performed even though the video was transmitted depending on the source and displayed in a web-based application which is the JW Player. In order to analyze test results for QoS parameters namely throughput, Round Trip Time, Packet Retransmission, Jitter and Delay as well as MOS, implementation results using H.264 encoding produces better quality than VP6.

**Keywords:** TV Streaming, RTMP, Red5, JW Player, Quality of Service