ABSTRACT

This research is design of live audio streaming server with several other additional features using the Raspberry Pi. Starting with the installation of applications related to server support live audio streaming, mp3 streaming, and VoIP and configurations. Then implement into a web application for access by the user and change the default display of web pages according to the needs of applications and user convenience in accessing it. From the design of the design results of the test results can be concluded as follows: System on Raspberry Pi can utilize application applications available on debian linux like darkice and Icecast, the default page to access the application by the user can be changed in accordance with the will of the need to use applications based on web design generally and all of web applications for Live Audio Streaming can be used properly.

Keywords: Raspberry Pi, Web Application, Broadcast, Live Audio Streaming, Shoutbox