Abstract

Most of web sites are designed specifically for PC (*Personal Computer*) screen viewing which has resolution about 1024 x 768 pixel. Of course, that things are ineffective if that web sites need to be accessed with mobile device like PDA which has 240 x 320 pixel screen resolution and mobile phone about 176 x 208 pixel screen resolution. Be side that, trends that also happened today, people want to access web sites with mobile device every where and any time. Because of that, to resolve this problem, are needed methods to adapt any web site, in order that can be accessed by all kaind of mobile device

One of the method that is implemented in this final project is Mobile Transcoding Site (MTS). MTS is a WAP site that can do adaptation to web site automatically base on the capabilities of the mobile device. Adaptation process that is done by MTS consist of markup language converiton, image manipulation up to redesign the lay out, but still keep the information inside. Markup language converiton includes HTML to WML, HTML to XHTML MP and simplify HTML.

Characteristic of MTS is a intermediate connection between user with the original web sites. Through MTS any kind of web sites can be accessed by any kind of mobile devices.

Key words: web site, WAP site, mobile transcoding site, adaptation, mobile device.