

Abstract

The growth of information technology, especially in mobile device, motivates education sector to use it. Mobile Learning (M-Learning) is one of technology innovation in education sector. The challenge of M-Learning development is the limitation of mobile phone resources. Beside that, interoperability is another problem that should be considered, because there is many kind of mobile phone with different specification, so there is no guarantee that one application that run in one kind of mobile phone can be run too in another kind of mobile phone.

In this final project, the type of M-Learning system that developed is client-server system, with mobile phone device as a client and web application as a server. M-Learning system developed with LTSA architecture implementation that concentration in 3rd, 4th and 5th LTSA layers. Interoperability of M-Learning system that developed with LTSA architecture will be tested and analyzed, and then the requirement of mobile phone to operate this system will be determined. Interoperability analysis of M-Learning system is part of 5th LTSA layer implementation.

Keywords: Mobile Learning (M-Learning), LTSA, client-server system, interoperability.