

Abstract

Major issues which faced by some of distributed systems is interoperability or the ability to operate with other applications with different platforms. Web services is a system that supports the integration of different platforms. Web Services Description Language (WSDL) is one of the supporting technologies in Web services interoperability. Establishment of WSDL should ensure the interoperability so that systems can work well together. There are several ways in the formation of the web service WSDL. In this thesis, WSDL is developed using an automatic WSDL generated from PHP SOAP. Then, based on testing whether the WSDL which was formed by automatic generated SOAP PHP meet with the Basic Profile 1.2 standard (standard that is owned by the formation of WSDL Web Services Interoperability Organisation (WS-I)) by using the interoperability testing tools. The result, a form of automatic WSDL generated PHP SOAP interoperability platform meet with a case study in this thesis, but does not meet the standards of the Basic Profile 1.2 WS-I because in the form of WSDL, there are four mistakes occurred such as Failed, Not Applicable, Missing Input and Prequisite Failed. In this thesis, in general non-fulfillment of the Basic Profile 1.2 standard does not affect the interoperability system.

Keywords: interoperability, web services, distribution system, WSDL.