ABSTRACT

MOHAMAD CHANDRA. MySQL and XML as Data Storage Format for Wireless Application Protocol based on Content Management System. Supervised by ENDANG PURNAMA GIRI.

Nowdays, the development of Wireless Application Protocol based on Content Management System is still less because CMS usually developed for web desktop. The mayor problem of WAP based on CMS is the web developer difficult to decide the best format of data storage. Therefore, this research is aimed to develop WAP based on CMS and apply it to mobile website of Computer Science Department with a better data storage format. This research built two CMS which had a different data storage format, there are CMS with database MySQL and CMS with XML technology. Further in this research compared the response time or performance of each CMS. The response time included testing of identification time, searching time, and process adding data time. The result from response time showed that CMS with database MySQL had good performance of identification time, searching time, and process adding data time than CMS with XML technology. So information and mobile website data management can be done easier, faster, and more flexible by CMS which use database MySQL as data storage format.

Keywords: MySQL, XML, Content Management System, Wireless Application Protocol, response time.