

Abstract

Water is the basic need for living things in this world, including human being. There are so many ways to fulfill their daily need including the clean water such as using the water meter to get the water. By using water meter, people are able to know the fee based on the water usage. However, practically, the water volume calculation is still using manual method. The usage water of each person is recorded in a book and reported to country treasurer. This affects the calculation into a problem for example when there is a damage on the book of recorded water usage. To simplify the process of recording and payment, in this final project the author makes the application "W-Comvis: Water Meter Reader Application With Image Recognition For Water Use Bill Management. W-Comvis is used for the recording process and makes it easy for users to pay water usage bills. With the usability test results obtained 82.3% of users strongly agree the W-Comvis application makes it easy to record and pay for water bills and the application has the right appearance and the application is easy to use.

Keywords : Water meter, Android, Image recognition