ABSTRACT

In everyday life, we who are born as a normal person use our sense of sight to do our daily activities. When our sense of sight does not function normally, there will raise many problems related to our daily activities, such as study. The blind people have been using Braille book to access information and knowledge. However, the production of Braille book require a relatively of high cost. It can be solved by making use of another sense that is sense of hearing. One of the ways is by listening to the recorded books read by others. This is what is well known as Digital Talking Book (DTB). In producing of DTB, it requires a method which is able to give an easy access to the part of books which have been recorded. Nowadays, it has been already developed a standard of DAISY (Digital Accessible Information System) that organize those kind of accessibility.

To run the audio file (books reading recorded) using DAISY standard, we can utilize the mobile devices that exist nowadays, of course, by using application designed to read DAISY file. Applications designed for mobile devices that have a keypad, because blind people can navigate using the sense of touch through the keypad by fingertips. Thus blind people can enjoy the content of DTB like a normal people read the ordinary print books.

Applications which designed for mobile devices with Java and Symbian OS is easily used by blind people, because of a clear voice output and the button functions easy to understand and put into practice. When compared with the standalone DTB player, application designed requires less time in accessibility features. Thus the addition of this DAISY DTB player application can be easily used by blind people to support their learning activities.

Key-word: DAISY, DTB, Java, Symbian, standalone