

ABSTRACT

Currently Indonesia has one of the developing views of the rise of various types of smartphone, a mobile phone capable of replacing the computer work, to be mobile and be a current need to support the operating system that is able to provide wider access.

Parental Control is a general application tool of parents who organize activities for children of all restrictions, in which Parental Control is commonly used applications on the internet site access and control of broadcast television. At present it is necessary a Parental Control application that can monitor the movement of children such as providing schedule, alarm signals and commit fraud even if the application will notify the parents if the child is outside a predetermined path using GPS-based applications, namely PASTRACK. PASTRACK own applications can provide real time information to the user manual user Parent Child Mode to Mode, where the application is to provide security and effective in the elderly.

From the results of testing alpha, beta, and application performance conducted, showed that these applications can perform all functions and features. This application can find the position of the child, giving the schedule for children, marking the prohibited area and give the alarm to the parents of the child if the position is outside a predetermined path.

Keywords : PASTRACK, GPS, Android.