

ABSTRACT

The technology development is going rapidly particularly in mobile technology and devices such as handphone, PDA and smartphone. In its development, the application which is run on handphone, PDA and smartphone not only the basic application which is given by the factory but also more application because these devices have supported Java technology. Java is the programming language which is developed by *Sun Microsystem*. Java which is used in hp, PDA and smartphone is Java 2 Micro Edition (J2ME).

Calculator is one of the application which has been used by handphone. But the calculator is non scientific. Therefore, the additional valued to handphone can be done by built the simple scientific calculator application. Simplicity aimed at keeping the compatibility of the application which will be developed to run on various devices that support J2ME technology.

In this final project, the application of simple scientific calculator will be made having functions of counting trigonometry, logarithm and factorization besides the basic functions, they are addition, subtraction, multiplication and division. This application can be implemented in all handphone which is support the J2ME technology.