

## ***ABSTRACT***

*Android smartphone has become a gadget that can not be separated everyday from modern humans life to support their productivity. Mobile devices can connect us with internet easily and quickly. However, the use of much applications and unnecessary awake application, can drain the battery quickly. Therefore need to be an application which management consumption of battery power by stopping a useless process of awake application. Basically there is a battery saver application named task killer, task killer stops all process off running applications. But task killer has a big weakness of not considering if the application is often used by the user or not. Therefore, this study offers an application program (variant battery saver) that will evaluate any background application or awake application and will be stops it based on the priority level, after sorting of the specified variable, ie the frequency of usage.*

*Keywords : mobile device, application, sorting, awake application*