

ABSTRACT

One of the most widely used mobile operating system these days is Android. Android is a powerful operating system supporting a large number of applications on smartphones. These application makes life more comfortable and advanced for users. Chemistry is the science that studies the material that covers the structure, composition, properties, and changes in matter and energy that accompany it. In SMA Negeri 2 Makassar, applied learning systems still use books. The learning activities in the class was not enough to make students understand the chemistry buffer as well. Buffer is the one of the materials chemistry subjects 2nd semester grade XI were considered quite difficult, because it uses the calculation is quite complicated to understand. Therefore, it appears the idea of building application of buffer solution chemistry learning based on android. This application was tested using functionality test and user acceptance test. This application can display buffer solution material, display periodic table, can perform calculations pH value of buffer solution, and can evaluate the ability of students through exercises.

Keywords: Android, chemistry, buffer.