

## ABSTRACT

---

*One of the most widely used mobile operating systems today is Android. Android is an operating system that supports a number of applications on smartphones. In SMA Telkom Bandung, the learning system that goes is still one way only from teacher to student and not using instructional media yet or still using book. One of the branches of science studied is chemistry that is the basis of many other sciences. Studying chemistry includes the periodic system of elements, the arrangement of elements, and the properties of the elements. The periodic elemental system is the basis of the subject matter of chemistry which is quite difficult because it consists of a very large amount of rote material. Therefore, the idea arises to build a periodical learning application of the android-based chemical elements system. This application is built using android studio platform and tested using the theory functionality test and user acceptance test. This application can display the periodic table of elements, materials keperiodikan nature, and techniques memorize the elemental group.*

*Keywords: Android, Chemistry, The periodic system of elements.*