

## **IONKOV Learning Media Development Based on Android Chemical Bond Material for Class X Students of SMA / MA**

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### **ABSTRACT**

This research is a development research that has the purpose of: (1) developing Android-based IONKOV media on chemical bonding material; (2) knowing the feasibility of Android-based IONKOV learning media on chemical bonding material. This development research uses a Research and Development (R & D) model from Borg and Gall. The IONKOV product development process begins with the design of the design which is then validated by material experts and media experts. After that, it was tested on five high school / MA teachers and 25 class X high school / MA students to find out the quality and feasibility of the IONKOV media developed. The instruments used are a list of interview questions, needs analysis and product assessment sheets. The product of this development research is an Android-based IONKOV media on chemical bonding material for class X SMA / MA students. This IONKOV product has good quality (B) and is feasible according to the assessment of high school / MA teachers with a percentage of 80% and assessment of students with a percentage of 80%. Based on these assessments, the Android-based IONKOV media that has been developed is appropriate for use during teaching and learning activities in high school / MA.

Keywords: IONKOV Based on Android, Chemical Association