

ABSTRACT

ANDROID BASED MOBILE LEARNING AT MAY 2 VACOTIONAL SCHOOL BANDAR LAMPUNG

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Education is the most important part of human life and is the main aspect in creating quality human resources. Education can humanize humans to become individuals who are beneficial to life, both in the life of the individual himself, the nation and the state. Therefore education must be carried out as well as possible. The success of a nation lies in the quality of education that can improve the quality of its human resources. The development of science and technology is so rapid that it encourages every human being to respond quickly to all these developments to keep up. The demand for human resources who have the ability to respond to developments in science and technology is urgently needed. Media is one of the supporting factors for achieving learning objectives. This is related to the use of appropriate and varied media in the learning process which can increase learning motivation and can reduce students' passivity. SMK 2 Mei Bandar Lampung is a school in Lampung. The problem is that SMK 2 Mei Bandar Lampung has not implemented an online learning system, the school has implemented the use of ICT in the learning process but in lessons students still use worksheets as learning media. Teaching materials in the form of printed books or worksheets have limitations in explaining the occurrence of a wave, wave material explains the causes and types of waves. In addition, even though students have printed books, LKS, they still often forget to bring them. Printed books or worksheets have several weaknesses in the manufacturing process, which requires quite a long time, besides that thick printed materials may be boring and turn off students' interest in reading them, if the binding and paper are bad, and the printed material will be easily damaged and torn. For this reason, increasing students' interest in learning requires updating regarding the learning media used by teachers, namely by using learning media that is more interesting, effective and

efficient. The role of learning media can expedite the learning process and learning outcomes. In addition, learning media are all tools and materials that can be used for educational purposes such as radio, television, books, newspapers, magazines, computers and so on. In this case the media functions as an intermediary in conveying the material. Based on the background above, the authors are very interested in conducting research entitled "Android-based Mobile Learning at SMK 2 Mei Bandar Lampung". The author hopes that this application can provide complete information and make it easier for students to study online. Android offers a holistic approach to app development. That is, an Android application that is built can run on various devices that use the Android operating system, be it smartphones, smartwatches, tablets, and other devices. The rapid development of Android technology cannot be separated from the role of AOSP (Android Open Source Project) which is responsible for the development of the Android operating system and is led directly by Google.