

SMART DOOR LOCKS MODELS DEVELOPMENT USING ANDROID AND ARDUINO FOR LEARNING MEDIA IN THE DESIGNING OF ELECTRONICS SYSTEM PRACTICAL COURSE

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ABSTRACT

The purposes of this research are to developing and know about the feasibility of Smart Door Locks models using android and arduino for learning media in the Electronics System Design Practical Course. This examination using Research and Development especially Four D Model that developed by Thiagarajan. This development model consist 4 step, there are : definition, design, develop, disseminate. The result is shows that the Smart Door Lock Models is very proper for learning media in the Electronics System Design Practical Course to the students from Education of Electronic Engineering Department. This shows that testing : Content expert is 4,28 as very good or very suitable, media expert give 4.56 as very good or very suitable, limited testing with users giving score 4,47 as very good or very suitable and tested field in other class giving score 4,11, its means good or suitable

Kata Kunci: *Smart Door Locks, Four D Model, Electronics System Design*