

ABSTRACT

Indonesia is a country that rich in cultural tourism. One of the attractions of Indonesia cultural tourism is the traditional musical instruments. During the advancement of technology, many ideas have emerged in the preservation and development of Indonesian traditional musical instruments, which attracts the attention of both local and international tourists to visit Indonesia. One of the musical instruments that developed through these ideas is "Angklung", which originates from West Java. In the development of the Angklung instrument, a method is needed to measure the RPM of the motor and to measure the weight of the Angklung, which will be the base for creating an automatic Angklung Robot. The Angklung will be equipped with a DC motor and connected to a microcontroller that has been programmed with specific notes, therefore the Angklung will produce tones according to the programmed song. Additionally, this Angklung can also be remotely controlled using wireless push buttons.

Keywords: Angklung, Musical Instrumen, DC motor, Wireless push button, RPM of Motor