

ABSTRACT

A trash can is a temporary place to store trash, usually metal or plastic. Inside the house, trash cans are often placed in the kitchen to dispose of kitchen scraps such as fruit peels or BOTtles. There is also a special trash can used in the office. Some landfills have a cover on top to prevent garbage odors. Arduino IDE is software that is used to make programming sketches or in other words Arduino IDE is software that supports programming on the board you want to program. The Arduino IDE is very useful for editing, building, downloading specific boards, and coding several programs. Arduino IDE is made from the JAVA programming language, equipped with C/C++ (wire) libraries, supports I/O operations. This method is done by reading several references from various sources in the school library or by reading a number of national and international journals related to the issues to be raised in this final assessment project. In addition, studying data from various sites will help in completing this thesis. The equipment used in this study uses a trash can as the main stand and several other supporting components such as NodeMCU ESP-8266, HCSR04, Servo Motor, Buzzer.

Keywords: Trash can, NodeMCU ESP-8266, HCSR-04, Servo Motor, Buzzer.