ABSTRACT

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AUTOMATIC SOUND LOCKING SENSOR TOOLS

(xiii + 42 + Attachments)

In this era there are so many inventions of tools - Electronic equipment is almost never separated from human life and in this era also very many inventions that are very useful to increase the ease and comfort in fulfilling their needs. At this time, the results of the general election counters in the general elections in the community still use manual methods and are very wasteful of time, even the selection of several candidates is still done by being voiced. With this problem, the idea arose to create an automatic ballot counting device. Automatic ballot counting sensor tool can make it easy to calculate the number of ballots that enter and minimize cheating. The ballot sensor counter tool is used during elections. This tool can also be used in the election of DPRDs, provincial DPRDs, regional heads, RW elections, RT elections.In this study discusses the process of counting ballots, security, and the results of general elections based on Arduino Uno Microcontrollers with output in the form of displays on the LCD screen by utilizing the infrared module as input from this tool. The automatic ballot counting sensor tool makes it easy to count the number of ballot papers that enter and can be used during general elections.The purpose of scientific writing is to use Arduino Uno as a microcontroller in an automatic counting system, by learning the way the microcontroller controls infrared sensors as controlling the incoming numbers that will be connected to the LCD, to give the results of the number of incoming ballots

References(2014-2018)