

ABSTRACT

MECHANICAL SYSTEM DESIGN OF FEED DISPENSER AND AIR QUALITY MONITORING AT CANARY'S CAGE

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The Canaries are one of the many birds that are used as pets because of their beautiful chirping sounds. Every day the bird owner must feed, replace drinking water and clean the cage from canary droppings, plus canary feed which leaves dirt when it is eaten, so the bird owner must clean the remaining food in the canary feed container by blowing it up the remaining feed is clean. This is very troublesome for canary owners who only have a little free time. Based on these problems, a tool can be made that can provide food and clean the rest of the feed and drink automatically and scheduled as determined and can monitor the status of the state of the canary cage. This tool has a container to hold feed and water reserves. This tool detects feed levels, cleanses food debris, fills feed, fills water into drinking water containers, and detects air quality in canary cages. Before the implementation of tools on canary drums, canary owners must monitor the availability of feed and drinking water for canaries every day. After the tool is implemented, the system will automatically refill the feed and drinking water in the feed container and monitor the condition of the canary cage.

Keywords : canary, feed dispenser, cage monitoring.