ABSTRACT

Today many thefts are rampant theft occurred in this case because the security system on a conventional key is not good because conventional key can be duplicated easily. The keys are usually used for houses doors, cabinet doors and other doors that require high security due to the content of these places is something that very vital and privacy

Based on the above issues in the final project will be realized an electronic key device-based microcontroller that can read our voice input signal and stores it in a module that is Easy VR. And the signal will be processed in the microcontroller that will keep a database of voice and sound that will be the password to unlock system.

In this final project to look at the performance testing tool i am doing test for seing performace tool. From the test results obtained at a distance of <40 cm devices are still doing well, while pd distance> 40 cm device is not sesifitif again. From the test results obtained a voltage fot tool need is 11,59 volt - 15 volt.

***Keywords**: Microcontrollers, sensor noise, EasyVR, Speech recognition.*