

Abstract

Technological developments have dominated various sectors, and have had an impact and influence in everyday life. However, the ease of technology cannot be felt by all parties. There are people with special needs who need help from other people in their operation. In this final project, we take a case on Tundadaksa, especially those who have leg defects. Operation of household appliances (home appliance) requires a physical disability to change positions to do so. In this final project, a system that can accommodate the operation of the equipment is designed, through user voice commands which are then executed by the system. This tool uses a voice command system, namely by using speech recognition which functions to recognize digital signals that refer to certain patterns stored in a device. From the test results, the household devices used are television, lights, and fans that can be controlled using an application on a smartphone that has been made and this application functions to remotely activate and deactivate devices in the home area.

Keywords: Voice Command, Home Appliance, Speech Recognition