

ABSTRACT

The developing of digital information technology in influencing the scoring board control system and jury's system in Taekwondo competition. Previously, each of jurors in the competition collect the player's point uses the tool such as joy-stick. Furthermore, the points will be entered into a computer which serves as a processor of match by using wire. Then, this point will be displayed on big screen by infocus, so can be seen by audience. Because, this equipment takes a lot of devices such as joy-stick, in-focus, and a computer. So, it has created a scoreboard controller system that uses a smart-phone android as a joy-stick and a scoring display that uses seven segment.

The purpose of this project is to create a scoreboard that can be used input and display in Taekwondo match. This equipment will be help the juror and audiences to display and see the point of player who is competing. This system uses bluetooth which serves to connect scoring display with android app on a smart phone. Android apps on smart phones is used by the juror to enter points a game (this system for two juror system). This applications on smart phones android consists of 13 button including +1 button, +2 button, +3 button, -1 button and kyonggo button on each participant and there is button to set time like buttons play, pause, and reset.

The information which is displayed on scoring board is the score for each players (red team and blue team) and timer of competition will be set by juror. If there are errors in judgment from the juror, then the juror can reduce or add points to the participants concerned. Maximum distance between joystick applications and scoring display with uses Line of sight System is 55 meters.

Keyword: Android, Scoring Board, Taekwondo