ABSTRACT

Technological development nowdays has encourage human life to make everything become automatic.Automation in all sector can't be denied, every usage usually from normal transform or shift to automation. Automatic food schedulling for fish combine between hardware and software using arduino microcontroller with Xbee which is radio frequency module as main controller and programing with Arduino IDE language. This system made from three working point based on the main point specifically schedulling point as a place for food schedulling for fish by puting hour schedulling on desktop application that has been designed for puting food schedulling for fish, feeding point as feeder the fish that has been scheduled and empty point as food detector when the food tank is empty. Automatic system made from servo motor, LDR(light Dependent Rsistor) censor, Xbee Pro S2c radio frequency module, Arduino Nano, desktop application, lcd, Buzzer and Led.Based on examination result,this system can open servo motor and feeding the fish by puting schedule that has been determined.

Key Word : Automation, Xbee, Wireless, fish food, censor