

ABSTRACT

Communication system is a very important part in all thing. Including communication between Server and Robot. This is because the server must be able to send commands which can be understood by the robot. In this final project, communication system which will be discussed is about the proses delivering data from server to robot in wheeled robot exhibition football. This communication system start with delivering data from Coach Computer to server which connected to router, and then will be continued to the Robot. The robot which have wifly module Installed will be treated to be a data using Arduino. The protocol that used in this communication system is TCP (Transmission Control Protocol).

Keywords: Wheeled Robot Exhibition Football, NetBeans, Wifly Module, Arduino, Router, TCP Protocol.