

ABSTRACT

3D scanner application is an application that runs on the Android operating system. This app is useful for running 3-dimensional scanners and displaying visualization results from the tool. In the manufacture of 3-dimensional scanner before, the use of 3D scanner tool is enabled via Laptop and the visualization results are displayed on the laptop. Therefore it is necessary to develop this 3D Scanner tool in its use with the same quality and easy-to-use way of working, then create an application called 3D Scanner. This application uses Bluetooth connectivity HC-05 as the interface of the application to 3D Scanner Tool, while the data obtained on the scanner process is a distance from the infrared to the object, and the data is processed and visualized using Matlab. With the creation of the Application use of 3-dimensional scanner will be easy to use and Visualization results will be displayed in the Application in the form of plot drawing (dots).

Keywords: Android Application, 3D Scanner, App inventor, Matlab.