Abstract

Handheld Terminal is a kind of portable electronic devices that work using the serial port on the microcontroller, which means sending and receiving data using a serial Tx-Rx from the microcontroller. This HHT operated using a source of rechargeable battery which lasted until 2 hours. The project aims to design and create a portable monitoring devices and data communication that is used to reduce the problems that existed at the time industries ini. Development of this tool using the communications microcontroller serial data communications as well as a variety of tools supporting elektronika. In the use of Handheld Terminal which will take water volume data from the digital water meter, so it can determine how much usage and the monitoring of water usage PDAM. This tool takes 10 seconds in each retrieval of data and has the value of the accuracy of 99.991% and 0.009% error, and memory storage capacity of 1 kb and can store data 5 customer id.

Keywords: handheld terminal, and rechargeable battery.