

ABSTRACT

One of the developments in industry 4.0 is the Internet of Things (IoT). Internet things that are very closely related to the industrial revolution 4.0. In more advanced technology in all fields. New technologies and discussions that discuss the physical, digital and biological world will change the patterns of life and human interaction. The manufacturing world which is part of the industrial world also involves changes made by industry 4.0. The manufacturing industry is now familiar with automation technology that uses machines to demand human labor. Automation has many roles in the industrial world to increase production and also assist operators in carrying out work. . Internet of Things in its application can also be used, tracking, tracking objects and related events related to automatic and real-time, for example in the manufacturing industry, the Internet of Things can be used as a liaison between production machines so that it can run well and as a detector. In line with the development of industry 4.0, many manufacturing industry companies are implementing the Internet of Things system that is integrated with SCADA. In the face of the Industrial 4.0 revolution where all activities have taken advantage of the internet or the Internet of Things (IoT). Therefore, the development of the design of the SCADA Human Machine Interface simulator of a pick and place station bottling plant is carried out that can be connected using an Internet of Things (IoT) based mobile device. This can make it easier for users to carry out activities in controlling, monitoring and monitoring both online and real-time as well as remote access from any location and device that uses an internet connection. In developing the system using the v-model method.

Key Words : : *Internet of Things, V-model, Human machine interface, Industry 4.0, Iot, Scada*