ABSTRACT

Nowadays not only smartphones nor computers can be connected to the internet, but various kinds of everyday objects can also be connected to the internet, including homes, cars, TVs, industrial machinery, and part of it. Houses that are connected to the internet are called Smart Home. Smart Home aims as part of the home of the future. But the availability of smart devices is often needed at the same time, so the availability of smart devices is considered less efficient. Therefore, the device designed in this study is the Smart Mirror. Smart Mirror is a part based on the Internet of Things (IoT).

This thesis book has designed and made a prototype of the Smart Mirror tool that is expected to be efficient by displaying music, hours, news and weather. This Smart Mirror is made by applying Raspberry pi, *LCD*, two-way mirror, webcam and wood as its frame. This system is expected to continue to be developed and can help in other fields

Keywords: Raspberry, Smart Mirror, Smart House*, *IoT