

Abstract

Nowadays, health is often ignored by many people, especially in parts of the developed world where they often ignore the importance of health. The importance of health care is often overlooked, especially on the *Elderly* where they mostly live alone in their old age. *Elderly* itself is a period where we as humans begin to lose most body functions, especially in terms of physical and mind which are very important in everyday life. These shortcomings make the elderly themselves experience limitations. Personal treatment is one of the solution where we as children or the person in charge of them can better control or monitor the elderly. Some researchers have previously made several solutions in the form of tools to help the elderly take their medicine, such as making a *Pill Bottol* that helps remind patients to take drugs that are placed on each drug bottle and *Pill Dispenser* which more or less has the same benefit. But from the two solutions, the *Pill Dispenser* is one of the most effective ways to help the elderly fulfill their daily medication needs. However, previous researchers have shown that some parts of the study still have relatively more expensive prices and some functionality is not optimal. *MQTT* is one of the devices that can help this research which serves to help monitor the elderly to be able to consume the medicine regularly and monitored. The main results that were obtained were an Iot device, namely a dispenser pill device that could eject the drug according to the user's schedule, just by pressing the button available, not forgetting when the schedule for taking the medicine because the buzzer would make a sound to remind the user and finally when the user took the medicine there will be a notification via *MQTT* from the *Smart phone*.

Keywords: Ederly, Pill Bottol, Dispenser Pill, MQTT, *Smart phone*