**Medicine Intake Reminder**

**1Muhammad Fahmi Rukman**

**1Information and Technology Major, Faculty of Computer Science, Bina Nusantara University**

**Abstract**

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1. **Introduction**

Nowadays, the predominance of chronic diseases has become a main concern around the world [1]. Older people go through degeneration process which lower their physiology function that can cause non-contagious disease to them; as well as lowering their immune system that makes them vulnerable to contagious diseases [2]. Most older people are normally diagnosed with multiple diseases; it would be normal for them to have different types of medicine at once [2]. With that in mind, there are several problems arising in relation of older people and their numbers of different medicines [3]. They experience practical problems when taking their medication such as not understanding enough user information and required preparation on before or after taking medication [3]. Some others may simply forget to take their medicine within the advised time. Not understanding information of the medicine may cause some people to not take or reduce the dosage of their medication. These problems may lead improper medicine intake that can cause clinical consequences [4]. In correlation, older people with the age between 40 and 50 are not foreign with the usage of smartphones anymore as they have integrated part of their life using smartphones [5]. As of 2018, Indonesia has become the 4th largest smartphone owners in Asia, there are currently over 177 million registered smartphones and over 120 million active mobile social users [6]. Traditional client-server based services will not be able to meet these demands, thus the solution is to use Mobile Cloud Computing (MCC) application to satisfy these demands [7]. Mobile Cloud Computing allows mobile devices to offload tasks to preserver computational resources including CPU, memory, storage usages as well as extending battery life [8].

In this paper, the author proposes a solution for an MCC application that can be used for older people that allow them to access information of the prescribed medication they are taking, the dosages they are meant to take advised by the doctor, lastly the required preparation before or after taking the medication, and lastly reminder on when the scheduled medicine is supposed to be taken.

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