

**Universiti Teknologi MARA**

**Android Application: Reminder System  
For Elderly People**

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## ABSTRACT

Nowadays, the growing numbers of elderly is inevitable. As people get older, the memory capabilities decrease and getting weaker by the minute. Older people from age 55 and above usually begin to face a lot of decline such as memory decline, hearing decline and visual decline, because of this casualties reminder system become one of technology that can benefit elderly user. However, today's reminder systems are designed not specifically to elderly people needs. Thus, many researchers from the western country have interested in exploring the use of reminder system as part of assistive technology for the elderly. However, there are no research is solely focus on what actually elderly users expect from a reminder system. Hence, this study attempts to design and developed the suitable interface and function for the usage of elderly people. The other reason of this study is also developed a prototype of reminder system to provide simpler when the user used it. The researcher conducted an experiments consists of pre-test phase and post-test phase. The researcher applied techniques such as semi structured interview, task solving, testing and experiment in order to help the respondents' need on the reminder system. It found that elderly people usually use reminder for important event/activity, but the definition of important may be differ for each respondents. As conclusion, the results also indicate that elderly on using reminder system includes four important principles in which the reminder system it must be simple in term of interface design and function, can be synchronized, in mobile environment and easy to use. However, this study just focus on developing the prototype and need further work to complete the system' such as more research on elderly needs so that the researcher and developer can understand the user and developed the system and meet their requirement.

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