

# A Study on Intention of Elementary School Teachers to Use Free / Open Source Software: The Decomposed Theory of Planned Behavior

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## ABSTRACT

This research is to analyze and discuss the willing of the use of elementary school teachers about freeware. In recent years, owing to vigorous development of Information Technology, it becomes closer between the computers and people. Job, leisure, and communication all take advantage of information appliances which need to include not only hardware but also appropriate software to bring them into full play. Software is also a important factor to foster the development of technology. Therefore, our government tries hard to enhance digital competence and the level of digital learning.

In the existing circumstances of education, it becomes a important index to develop Information Technology. Under the education policy of nine-year integrated curriculum, developing the ability of “bring-and-go” becomes the new education concept. The development of information ability is to develop students’ ability of operation and use in computers. As a result, the school has to provide various kinds of software to help instruction of the teachers and learning of the students. However, the budget of software is one of the huge expense in the school budget. Moreover, government finance is in straitened circumstances, the budget every school can share with is much less comparatively, so freeware is a good option owing to its low-cost or even free of charge.

However, Teachers must be taught how to use freeware first if we have the students learn to use it. Therefore, the purpose of this study is to understand the impact factors of the teachers’ will to use freeware, and by way of literature review in the past, we build the model and attempt to understand the impact factors of the teachers’ will to use freeware. At the end of the study, we find out the main factor that impacts the will is the attitude toward the behavior, and the biggest factor that impacts attitude is practicability.

Keywords : free/open source software、behavior intention、decomposed theory of planned behavior、decomposed TPB

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