ABSTRACT

Automated Guideway Transit (AGT) is a class of transportation systems in which unmanned vehicles are operated on fixed guideways along an exclusive right of way. In Indonesia, the implementation of AGT now serves in several sectors such as Airport, Urban Transit and Amusement Park. As one of the busiest airports in the world, Soekarno–Hatta International Airport (SHIA) is the first airport in Indonesia to launch the Skytrain. The availability of Skytrain is expected to improve airport mobility, provide time-less accessibility between terminal and increase punctuality. As it launched in September 2017, the user of Skytrain seems to be below of its capacity which shows by the number of 29.5%.

The model used in this research is the modified model of the Unified Theory of Acceptance and Use of Technology 2, hence, this research aims to find out the assessment of the Behavioral Intention of Skytrain's non-users on the variables purposed in this study. There are eight variables purposed in this study, which are Performance Expectancy, Effort Expectancy, Social Influence, Facilitating Conditions, Hedonic Motivation, Habit, Anxiety, and Perceived Security. This study is a mixed method research; therefore, the data were collected through a questionnaire and an in-depth interview with 105 respondents. The model analysis used in this study is a Variance Based Matric Structural Equation Modeling (VB-SEM) with a Partial Least Square (PLS) as its statistical analysis. The result showed that the variables in modified UTAUT2 Model which are Perceived Security, Facilitating Condition, Habit and Anxiety has a significant influence towards Behavioral Intention. This modified UTAUT2 Model proposed has a strong explanatory power which is 72.2%, further research is expected to find a higher explanatory power and define another necessary factor that might affect the Behavioral Intention.

Keywords: *Automated People Mover System (APMS), Technology Adoption, Soekarno-Hatta International Airport Skytrain (Skytrain), Modified UTAUT2, Indonesia.*