

## ABSTRACT

*This research discusses about smartphone locking behavior using authentication method. The purpose is to determine the proportion of the users locking (or not) involving demographics, perceived of security and convenience , as well as preferences for different types of authentication methods. Variabel used are demographic factors, perception of locking the screen, and the types of authentication methods. The method used is descriptive quantitative research. The population consists of smartphone users with a total sample of 400 respondents with nonprobability sampling method.. Data analysis method using descriptive analysis by measuring the frequency, chi square, and crosstab. The data processing by using Microsoft Excel and the 17th version of SPSS (Statistical Product and Service Solutions). The results of this research showed no difference in the proportion of the screen locking behavior based on the category of gender, level of education, and employment. While based on category of age and operating system there are differences. The convenience factor is still a major consideration in the screen locking behavior. The majority of users choose the unlock pattern as the most convenient method to use. While fingerprint unlock as the most secure method to protection as well as a choice of methods to be used in the future.*

*Keywords: demographic, authentication method, security, convenience, smartphone*