

## ABSTRACT

*Android is an operating system for Linux-based mobile devices that includes an operating system, middleware and applications. Android provides an open platform for developers to create their applications. Android is the most popular smartphone with the number of users in the world, which is about 1.8m users. The high number of users also invited many cases of information security and privacy. One of the cases in Indonesia, namely offenses committed by gojek's rider to terrorize customers.*

*Therefore, the authors are interested to learn more about information security and privacy of users of Android smartphones by the size of awareness (attitude, knowledge, Behavior), has a focus area of Information Security (trust in app repository, the misconception about the app testing, security and agreement message, pirated application, the adoption of security control, spam sms and reports of security incidents) and privacy (perceived surveillance, perceived intrusion, secondary use of information) with the purpose of (1) to measure the level of information security awareness Android smartphone users in Indonesia is based on attitude, knowledge, behavior, (2) to measure the level of awareness of the privacy of users of Android smartphones in Indonesia based group attitude, knowledge, behavior.*

*This research using quantitative descriptive method by collecting data through online questionnaires to 100 respondents who use Android smartphone. The data obtained will be processed by using analytic hierarchy process (AHP) method, which is to determine the value of the weights in each dimension of information security awareness and privacy.*

*Overall, the results of the study show that information security has an average level of awareness (71%) and privacy has an average awareness level (76%).*

*So to reduce the occurrence of cases due to low awareness of Android smartphone developers should be able to facilitate users to perform security gangguan reporting such as applications that can accommodate users of smartphone users in using the application and re-testing of applications that received many complaints.*

*Keywords: Awareness, Information Security, privacy, smartphone, Android*