

***The Relationship of Behaviour Swipe Gesture on The Use of Smartphone on  
Stress Level Using Parsial Correlation***

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***ABSTRACT***

*Stress is a reaction produced by humans when experiencing a load or pressure, stress is also a reminder to show the condition of the body that is not in well condition. Individuals can experience stress when facing events that are considered unpleasant or their physical and psychological conditions, one example of stress triggers can occur when they lose streak in a game on a smartphone, or use social media. Smartphone is a device for communicating with various advanced features. The use of smartphones is not only limited by tools to communicate, for example playing games, using digital maps with GPS systems, etc. In previous studies that have learned about human behaviour in using smartphones, for example when a person is operating a smartphone at the same time writing or playing games while on the train. In this study discusses the relationship between stress levels and swipe gesture behavior on smartphones using partial correlation analysis. Analysis performed to get the best performance using a significance value  $\alpha = 5\%$ , resulting value -0.454 (negative), while the significance value is 0.001, It can be concluded that the faster the speed results - the average person swipes the higher the stress level.*

**Keywords:** *Stress, Stress Scale, Smartphone Devices, Swipe Gesture, Partial Correlation Analysis.*