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DOCTORAL DISSERTATION DEFENSE

of

**Hassan Mohammed Alhaythami**

For the degree of

Doctor of Philosophy

Evaluation and Measurement

THE PSYCHOMETRIC PROPERTIES OF THE ARABIC VERSIONS OF THE SOCIAL NETWORKING TIME USE SCALE AND THE SOCIAL MEDIA AND ACADEMIC PERFORMANCE OF STUDENTS SCALE AMONG UNIVERSITY STUDENTS IN SAUDI ARABIA

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12:30 PM
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Hassan graduated from Umm Al-Qura University in 2008. In 2009, he worked as math teacher in an elementary school in the Najran Region in Saudi Arabia (SA). In 2010, he began working at Al-Qunfudah University College at Umm Al-Qura University as a faculty member in the Education and Psychology Department. There he taught educational evaluation to undergraduate students for two semesters.

In 2012, Hassan started his journey to complete his graduate degrees in the field of Evaluation and Measurement at Kent State University. He presented his research at the American Educational Research Association (AERA) annual conference in April 2017. Also, he published a journal article in that same year. His current research interests include international tests and testing, and also the impact of social media on educational outcomes.

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Purpose: Manuscript 1’s objective was to examine the psychometric properties (i.e., content and construct validity; internal consistency reliability) of the Arabic version of the Social Networking Time Use Scale (SONTUS) in a Saudi undergraduate student population. Manuscript 2’s purpose was to investigate the same psychometric properties of the Arabic version of the Social Media and Academic Performance of Students (SMAPOS) scale in a Saudi undergraduate student population. Additionally, the functioning of items in both scales was evaluated across male and female students.

Methods: A total of 508 undergraduate students at one university in SA participated in this study and completed the Arabic versions of both scales (i.e., the SONTUS and the SMAPOS). The analyses used in this study included Exploratory Factor Analysis (EFA), Confirmatory Factor Analysis (CFA), Internal Consistency Reliability, and Differential Item Functioning (DIF).

Results: Manuscript 1’s results showed that the SONTUS had good psychometric properties, and it is an appropriate scale to measure the frequency of SNS use among Saudi undergraduate students. Also, the results in this manuscript indicated that there were differences in the amount of time spent using SNSs between male and female students. Manuscript 2’s findings revealed that the Arabic version of the SMAPOS had excellent psychometric properties indicating that it is suitable for measuring Saudi university students’ attitudes toward the use of social media and academic performance. Moreover, the DIF results showed that there were no differences between male and female students’ attitudes on any of the items.