

Psychometric Properties of ‘Attitude towards e-Learning Scale’ among Nursing Students

Jean N. Guillasper¹, Gil P. Soriano^{2,*} and Ryan Michael F. Oducado³

¹Nueva Ecija University of Science and Technology, Philippines

²San Beda University, Philippines

³West Visayas State University, Philippines

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ABSTRACT As nursing schools embrace e-learning during and beyond the COVID-19 crisis, academic nursing institutions must first assess the attitude or perception of students to achieve successful transition and transformation to e-learning. However, there is limited information about the psychometric properties that measure the attitudes towards e-learning among nursing students in the Philippines. The objective of the study is to determine the validity and reliability of the attitudes towards e-learning scale Filipino nursing students. This descriptive cross-sectional study included 111 Filipino nursing students in selected public and private universities were selected through purposive sampling. The attitude toward e-learning scale was assessed for construct validity through exploratory factor analysis using varimax rotation and internal consistency reliability using Cronbach's α and -item-total correlation. The nine-item attitude towards e-learning scale was loaded on one component with factor loadings ranging from -0.907 to 0.893, explaining 61.92 percent of the total variance. The KMO test revealed a value of 0.900, while Bartlett's test was 644.380 (df =55, p=0.000). The corrected item-total correlation of each item varied in between 0.409 to 0.854, and the Cronbach's alpha coefficient of the 9-item scale was 0.917. The 9-item instrument was valid and reliable in assessing the attitude towards e-learning among nursing students. Further studies should be done in order to test it among varied health science students.