

Validity and Reliability Testing on Train Driver Performance Model Using A PLS Approach

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The purpose of this paper is to explain the assessment of validity and reliability of measured items used in survey research. The structural equation modeling techniques and Partial Least Square (PLS) will be adopted to assess the goodness of measures of constructs used in a model to examine the performance of the Malaysian train drivers. The measurement process involves assessment of construct validity of the items and followed by convergent validity. Then, the composite reliability was assessed with internal consistency measure of Cronbach's alpha. Lastly, discriminant validity was tested to assess the validity of the measurement. The constructs are not supposed to measure other constructs or overlapping constructs.