A TEST ANALYSIS REPORT OF THE DT ENGLISH YEAR 1
USING THE RASCH MODEL

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ABSTRACT

Diagnostic information about a test aids to the understanding of how well the test functions in measuring students’ ability and the identification of possible areas of modification to improve the test’s measurement properties. This research paper aims to report the diagnostic information about the DT English Year 1, a newly developed test by the Center for Educational Measurement, Inc. (CEM). By using the Rasch Model, a sophisticated tool used by developers of survey and assessment instruments, diagnostic information of the DT English Year 1 would be evaluated at two levels: (1) the scale as a whole and (2) the individual items. This report would illustrate the Rasch Model approach in data analysis using the data gathered from the norming administration of the DT English Year 1 conducted from July to August 2009. The Quest program developed by Adams & Khoo (1996) would be utilized in obtaining the indices necessary to test and item analyses. Results of this study would conclude on how good the DT English Year 1 is in assessing students’ English ability.