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PARINYAPORN THANABOONPUANG: DEVELOPMENT OF DESIRABLE CHARACTERISTICS SCALE FOR NURSING STUDENTS: ADVISOR: ASST.PROF. SIRIDEJ SUJIVA, Ph.D., CO-ADVISOR: ASST. PROF.SHOTIGA PASIPHOL, Ph.D., 280 pp.

The purposes of this study were to 1) develop model of undergraduate nursing student'desirable characteristics according to Thai Qualifications Framework for Higher education: Cognitive skill, Interpersonal skill and Responsibility, Numerical Analysis Communication, Information Technology Skills. 2)develop scale and test manual for undergraduate nursing student'desirable characteristic. 3) test psychometric property of the scale and test manual 4) determine standard setting for this scale. This instrument seek to improve on Computer Multimedia test. The participants were 1,106 senior undergraduate nursing by Multi-stage random sampling. The data was analyzed by Mplus and IRTPRO3 . The results were as follows:

1. Nursing student'desirable characteristics according to Thai Qualifications Framework for Higher education in 3 dimensions that were consisted of 4 models: Cognitive skill, Interpersonal skill, Responsibility and Numerical Analysis, Communication, Information Technology Skills.

2. The scale was divided into 4 tests that consisted of multiple choice, essay and oral presentation. The reliability for total scale were .791, .853, .880 and .863 respectively. In addition item analysis based on CTT show that discrimination (r) supported the quality of scale between 0.263-0.559. According to IRT the value of discrimination (a) between 0.77-1.79 and difficulty parameter (b) or threshold for multiple choice was between -0.88-0.12, for the essay and oral presentation were ordering threshold ($\beta_2 > \beta_1$) between 0.30-6.78 and 0.25-6.52 respectively.

3. According to Second order CFA, all of model in this scale had construct validity: 1)Cognitive skill model with $\chi^2=55.000$ ($df=44$, $p=0.1237$) CFI=0.996, TLI=0.994, RMSEA=0.020, SRMR=0.032, 2)Interpersonal skill model with $\chi^2= 24.611$, ($df=18$, $p=0.1360$), CFI=0.997, TLI=0.994, RMSEA=0.024, SRMR = 0.019, 3)Responsibility with $\chi^2= 21.792$, ($df=17$, $p=0.1929$), CFI=0.998, TLI=0.996, RMSEA=0.021 , SRMR=0.016 , 4)Numerical Analysis, Communication, Information Technology Skills with $\chi^2= 32.233$, ($df= 25$, $p= 0.1514$), CFI = 0.997, TLI=0.995, RMSEA = 0.021 , SRMR = 0.017

4. The Standard setting was determined by bookmark method. This score was divided into 2 levels that defining the passes/failures threshold was set at 15, 14, 14 and 18 respectively. The inter-rater reliability by Intra-class correlation coefficient (ICC) were 0.959, 0.961, 0.963 and 0.948 respectively.