

Confirmatory Factor Analysis of Entrepreneurship for Undergraduate Students.

- **Author(s):** Pareeya Rapa ,Rungson Chomeya
- **Abstract:** The purpose of this research was to study the corroborating components of the entrepreneurial characteristics of undergraduate students. The sample used in the study was 1,040 students in the Northeastern region, obtained through multistage randomization. The instrument used in the research was the Student's Entrepreneurship Attributes Scale, a 5-level estimation scale with 69 items, with a discriminating power range from 0.21-0.68, and the confidence value of the whole version was 0.94. The statistic used to analyze the data is Confirmatory Factor Analysis. The results showed that the Confirmatory Factor Analysis of the entrepreneurial characteristics of undergraduate students consisted of six components: Internal locus of control, need for achievement, Risk-taking, Innovativeness, Proactiveness, and Autonomy. It was found to be consistent with the empirical data with Chi-square (χ^2) of 49.68, $df=41$, $p=.16$, GFI=0.99, AGFI=0.98, RMSEA=0.01, SRMR=0.01. The standard component weights were between 0.49-0.94. All components were statistically significant at the 0.01 level, indicating that the operator attribute measurement model could be used to describe the operator attribute composition.
- **Keywords:** Confirmatory factor analysis, Entrepreneurship characteristic, Undergraduate students