

C440176 : MAJOR EDUCATIONAL STATISTICS

KEY WORD: COMPOSITE INDEXES/ CHARACTERISTICS OF FRESHMEN/ CHULALONGKORN UNIVERSITY

KRISAWAN OPANAPHUN : THE DEVELOPMENT OF COMPOSITE INDEXES FOR DETERMINING CHARACTERISTICS OF CHULALONGKORN UNIVERSITY FRESHMEN.

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The purposes of this research study were to construct the composite indexes for higher education to determine the characteristics of Chulalongkorn University's freshmen and compare their composite indexes for each faculty and types of the entrance examination.

The sample consisted of 1700 freshmen who studied in every faculty in the first semester of the academic year 1993 of Chulalongkorn University. The instrument used in the research were the questionnaire of student's characteristics. The questionnaire which had the content validity and the reliability was 0.8448. Factor analysis method by Image factoring and Varimax rotation method was used to find the composite indexes. The comparison of each composite indexes for each faculty and types of the entrance examination were analyzed by two-way analysis of variance and post-hoc comparison by Tukey's method.

The findings were as follows.

1. There were 6 composite indexes concluded student's characteristics of ACTIVITY, ATHLETIC, ART, ACADEMIC, SOCIAL and UNCOMMITTED.
2. There was statistically significant different in each composite indexes of student's characteristics of each faculty at .05 level.
3. The freshmen who passed the entrance examination to study at Chulalongkorn University had the composite index in SOCIAL higher than the freshmen who were participated in special projects. The freshmen who were participated in special projects at Chulalongkorn University had the composite indexes in ACTIVITY and UNCOMMITTED higher than the other.