SAIROONG SAENGJAENG : A DEVELOPMENT OF THE MODEL OF PROBLEMS IN CONDUCTING STUDENTS' THESES BY FAULT TREE AND LISREL ANALYSES. THESIS ADVISOR : ASSO. PROF. SUWIMON WONGWANICH, Ph.D. 131 pp. ISBN 974-638-700-6.

The purpose of this research was to develop the model of problems in conducting students' theses by Fault Tree and LISREL Analyses. The population consisted of 258 graduate students who entered the Master's degree programs of the Faculty of Education, Chulalongkorn University in 1995 academic year. The research process was conducted in 2 stages. The first stage was carried out to obtain information regarding the problems in conducting students' theses based on Fault Tree Analysis process. Information obtained from the Fault Tree Analysis together with additional information synthesized from existing related literature was aggregated together to develop hypothetical model. The second stage then was performed to test the fit of the hypothetical model with the empirical data.

For the development of structural model under the condition of insufficient supporting theoretical evidence to derive the hypothetical model, results indicated that the model developed based solely on documentary information was more acceptable and fitter than the model developed based on the information obtained from Fault Tree Analysis and existing documentary information. The best fit model accounted for 28% of variance in problems in conducting theses with the chi-square of 197.84, df = 208, p = 0.68 and GFI of 0.92. Ability and motivation of students in conducting students' theses had significant direct effects on the problems in conducting theses.

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