

## C840309 : MAJOR EDUCATIONAL RESEACH

KEY WORD: DELPHI / PROPORTION / POSITIVE-NEGATIVE ITEMS / EXPERT / CONSENSUS

JEERANUN JIVASOMBOONKUL : EFFECTS OF DIFFERENT PROPORITION OF POSITIVE AND NEGATIVE ITEMS ON EXPERTS' CONSENSUS CONCERNING THE ORGANIZATION OF TEACHING AND LEARNING FOR ENERGY AND ENVIRONMENT CONSERVATION. THESIS ADVISOR : PROF. SOMWUNG PITIYANUWAT, Ph.D. 146 pp. ISBN 974-637-296-3.

The purpose of this research was to study effects of different proportion of positive and negative items on consensus of experts. The sample consisted of 214 experts who were specialists, educators, teachers and students. The Delphi questionnaires were sent to the experts by mail. The obtained data were analyzed using arithmetic mean, mode, median, interquartile range and Chi-square test of homogeneity of proportion. Results of the study can be summarized as followed.

1. The proportion of item reaching degree of consensus obtained by the 100% negative item questionnaire was significantly higher than that of the 100% positive and 0% negative item questionnaire and the 75% positive and 25% negative item questionnaire.

2. The proportion of item reaching consistency of consensus obtained by five forms of different proportion of positive and negative items were not significantly different.

3. The proportion of items reaching stability of consensus obtained by the 25% positive and 75% negative item questionnaire was significantly higher than that of the 100% negative item questionnaire.

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