

## C240199 : MAJOR EDUCATIONAL RESEARCH

KEY WORD : ANALYSIS/MIDDLE RESPONSE/RATING SCALE

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The purpose of this study were to analyze the meaning of the middle responses namely neutral, undecided and no opinion in rating scle and to compare change in middle responses when scles were repeatedly rate. The sample group comprised of 320 pupils in Mathayomsuksa six, by assigning them into four groups. Rating scale with four different types of middle response wording were used to measure pupils opinion in the questionnaire concerning of adolescent rearing pratices. Interviewing was applied to access pupils's middle responses meaning. Data were analyzed by frequency and percentage.

The finding are as follows.

1. The meaning of middle responses wording of "neutral", "undecided" and "no opinion" are interpreted as neutral by 81.01%, 54.58%, 53.88% and are interpreted as undecided by 13.50%, 35.88%, 21.02% and as no opinion by 1.98%, 1.91% and 16.88% followed by as not neutral 3.51%, 7.63% and 8.28% respectively.

2. There are changes in middle responses when different wording are applied and scales are repeatedly rated. 9.84% shifts from the first "neutral" middle response to the non-middle response, while 13.59% shifts from the non-middle response to middle response when scale is repeated. When "undecided: is substituted for "neutral" in the middle response, 16.40% shifts from middle response to non-middle response while 5.87% shifts from the non-middle response to "undecided" middle response in second rating. When "no opinion" is substituted for "neutral" middle response, 4.98% shifts from middle response to non-middle response, while 13.10% shifts from non-middle response to the "neutral" middle response in the second rating.