

Watcharaporn Amonsak. (2013). *Antecedents and Consequences of Learning Behavior in Science Subject of Junior Secondary Students*. Master Thesis, M.S.(Applied Behavioral Science Research). Bangkok: Graduate School,Srinakharinwirot University. Advisor Committee: Dr.Jarun Untitawat

This study aims at investigating psychological and situational factor influencing learning behavior in science subject of junior secondary school (consisted of 2 behaviors : Mindful of science Learning behavior and seeking knowledge of Science behavior) .There are Three objectives in this study. First to examine the influence of situation factors. Secondly, to study the influence of Psychological factors. Finally, to find important predictors of learning behavior in science subject.

Sample of this study is the 400 students in schools under Bangkok Education Service Area Office 2. Based on the Interactionism Model as a conceptual framework. Three-Way Analysis of Variance, Hierarchical Multiple Regression were used to analyze the data. Research findings were as follows. 1) The student who have high scientific mind ,high commitment to education in field of science ,high self-efficiency and loved-reasoned oriented child rearing practice ,will have high mindful of science learning behavior 2) The student who have high commitment to education in science and high democratic class, will have high seeking knowledge of science behavior 3) The independent variables in the study 3 groups is social situational factors (loved-reasoned oriented child rearing practice, Democratic class and time for science studying), psychological traits (self efficiency, ego identity and scientific mind), and psychological states (attitude towards science and commitment to education in field of science) could predict 3.1) Mindful of science learning behavior 32.3 percent. The important predictor is loved-reasoned oriented child rearing practice, scientific mind and commitment to education in field of science 3.2) Seeking knowledge of science behavior 19.2 percent. The important predictor is democratic class, time for science studying, attitudes toward science and commitment to education in field of science 4) Seeking knowledge of science behavior can predict science achievement with 9.5 percent in total sample and with the highest percentage of 11.3 percent in high economic status.