

ที่ระดับ .01 4) นักเรียนชั้นประถมศึกษาปีที่ 6 มีความพึงพอใจต่อการเรียนด้วยบทปฏิบัติการ
วิทยาศาสตร์ โดยรวมอยู่ในระดับมาก ($\bar{X} = 4.42$, S.D. = 0.50)

TITLE : The Development of Laboratory Learning Activities on Chemicals Around Us
for Pratomsuksa 6 Students

AUTHOR : Sujittra Wonginta **DEGREE :** M. Ed. (Curriculum and Instruction)

ADVISORS : Dr. Panwilai Chomchid Major Advisor

Dr.Sompong Srikalya Co-advisor

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ABSTRACT

This study aimed to develop laboratory learning activities on “Chemicals Around Us” for Pratomsuksa 6 students in accordance with the criteria set E1/E2 as 80/80, compare the students’ achievement before and after working with the laboratory learning activities on “Chemicals Around Us”, compare the students’ basic scientific processing skills before and after working with the laboratory learning activities on “Chemicals Around Us”, and to determine students’ satisfaction toward the developed laboratory learning activities.

The samples were a class of 32 Pratomsuksa 6 students of Ban Nong Neu School, Kosumphisai District, Mahasarakam Province enrolling in the second semester of academic year 2015. Research instruments were 1) laboratory learning activities 2) an achievement test 3) a test on scientific processing skills 4) a students’ satisfaction questionnaire. Statistics employed in the study were means, standard deviation, and t- test (dependent samples).

The results were as the followings: 1) The developed laboratory learning activities on “Chemicals Around Us” was efficient ($E_1/E_2 = 83.33/86.44$) and passed the set criterion of 80/80. 2) After working with the laboratory learning activities on “Chemicals Around Us”, the achievement score of the Pratomsuksa 6 students was increased at the statistical significant level of .01. 3) After working with the laboratory learning activities on “Chemicals Around Us”, the score of Pratomsuksa 6 students’ basic scientific processing skills was increased at the statistical significant level of .01. 4) After working with

the laboratory learning activities on “Chemicals Around Us”, the satisfaction of Phatomsuksa 6 students was at a “high” level ($\bar{X} = 4.42$, S.D. = 0.50).