

## C240849 : MAJOR ELEMENTARY EDUCATION

KEY WORD: KELLER PLAN/MATHEMATICAL PROBLEM SOLVING/PRIMARY EDUCATION

SUWANNA THONGGEAT : EFFECTS OF USING KELLER PLAN ON ACHIEVEMENT  
IN MATHEMATICAL PROBLEM SOLVING OF PRATHOM SUKSA SIX STUDENTS : ASST.  
PROF. WANNEE SIRICHOTE, 334 PP. ISBN 974-582-348-1

The purpose of this research was to study the effects of using Keller Plan and Traditional Method on achievement in mathematical problem solving of prathom suksa six students. The sample of this research was sixty students of prathom suksa six, Ban Prathong School in academic year 1992. The sample was divided two groups to match by pair : the group one was experimental group and group two was control group by random sampling. The research tools were study guide, programmed lessons (Retrogressive Chaining) and tests.

The findings were 3 units of programmed lessons which were constructed each of the unit's effectiveness as follows: unit 1 = 80.33/80.00, unit 2 = 81.08/80.08 and unit 3 = 82.67/80.17. After the experiment of using Keller Plan on achievement in mathematical problem solving comparing with the Traditional Method, it was found that there were no significant differences between the arithmetic means of students in both groups at the level .01, so the effects of using Keller Plan on achievement in mathematical problem solving had no higher than the Traditional Method.