

**Learning Model Comparison *Problem Posing* mode *Solution Posing Pre* with
Learning Model *Problem Solving* Achievement Motivation Against Seen From
Physics Student Learning Outcomes**

Tri Isti Hartini¹ Martin²

Program Studi Pendidikan Fisika
Universitas Muhammadiyah Prof. DR. HAMKA
Jln. Tanah Merdeka, Kp. Rambutan Ps. Rebo, Jakarta Timur
Telp. (021) 8400341, 87796977 Fax. (021) 8411531
Email: tri.isti@yahoo.co.id

ABSTRACT

This study aims to determine whether there is an interaction effect significantly between the use of models of learning and student achievement motivation on learning outcomes of students in high school physics Jakarta. Results of this research is a preliminary study carried out in high school YAPPENDA Jakarta, for 3 months starting in August 2016 to October 2016.

The method used in this study is the experimental *method*. With a target population in this study is a class XI SMA YAPPENDA Jakarta, while the inaccessibility population is class XI IPA I and IPA II SMA YAPPENDA Jakarta. Samples were taken at random (*random sampling*) by taking 68 students from class XI IPA. The design used in the study was *nonequivalent control group* design. Data collection techniques using research instruments in the form of a written test (*paper and pencil test*) the 35 multiple-choice questions.

Based on the hypothesis test using t test, the obtained t at 2.78. While t_{table} obtained from table t with a significance level of $\alpha = 0.05$ and degrees of freedom (df) = 66 is equal to 1,998. Because $t_{count} > t_{table}$ 2,656 > 1,998 then H_0 is rejected. Thus H_1 received stating that a significant proportion of students studying physics results between using learning model *problem posing* pre-type *posing solution of* with a learning model of *problem solving*.

Keywords: *Learning Model Solution Problem Posing Posing Pre mode. Learning Model Problem Solving, Achievement Motivation, Learning Outcomes Physics Students.*