

**THE IMPLEMENTATION OF PROBLEM BASED LEARNING (PBL)
MODEL INTEGRATED WITH TEAM GAMES TOURNAMENT
(TGT) TO INCREASE STUDENT'S ACHIEVEMENT
AND CREATIVITY IN LEARNING
COLLOIDAL SYSTEM**

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ABSTRACT**

The objectives of this research are to get th comparison between problem based learning model integrated with team games tournament and team games tournament to increase student's achievement, and student's creativity charcter. Beside of that, this research was also conducted to know average percentage of student's creativity character. This research was done in SMAN 1 Tanjung Pura. Population is all class XI in Senior High School. The students in SMAN 1 Tanjung Pura which taken by purposive random sampling. The research instruments are achievement test and observation sheet for student's character. Both of isntruments have been validated. The research data analyzed by SPSS 17 for Windows. The result data show that, the student's achievement taught by problem based learning model integrated with tem games tournament higher significance difference than team games tournament. It can be seen from average of gain and also proved with t-test, the normalized gain in 1st experimental class is (80.99) and 2nd experimental class is (50.90) at significant level $\alpha = 0.05$, the result of student's achievement H_{a1} is received and H_{o1} is refused where $\text{Sig.} < 0.05$ ($0.00 < 0.05$). The average of student's creativity character taught by problem based learning model integrated with team games tournament is higher than taught by team games tournament where in 1st experimental class is 32.96% and 2nd experimental class is 31.48% . The result of student's creativity character with t-test, the value is ($0.00 < 0.05$) so the H_{a2} is accepted and reject H_{o2} . Then result of correlation between student's achievement with student's creativity is $R > 0.80$ so there is correlation between them. it means Problem Based Learning (PBL) model integrated with team Games Tournament (TGT) give higher significant difference of student's achievement and student's creativity character compared with TGT on the teaching of colloidal system.

Keywords : *PBL Integrated TGT, TGT, Student's Achievement, Student's Creativity Character.*