

# **Understanding Upgrades Comparison Between Math Students Receiving Learning Model Team Games Tournamen (TGT) and Problem Based Learning Model Learning (PBL) Students Against Class X SMAN 16 Bandung.**

## **ABSTRACT**

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The ability of students' mathematical understanding is one of the student's ability to be developed during and after the learning process. This is because through the understanding of mathematics students can improve students' thinking skills. One to improve students' understanding of mathematics learning model Team Games Tournamen (TGT) and problem based learning model Learning (PBL). This study aims to determine the ratio increased ability students gain understanding of mathematics learning model Team Games Tournamen (TGT) and problem based learning model Learning (PBL). The study population was all students in grade X SMAN 16 Bandung and samples taken as many as three classes, namely class X MIA 2, X 3 and X MIA MIA 4. Instruments used in this research is to test the ability of students' mathematical understanding and observation of student activity sheet comparing the learning of mathematics using model Team Games Tournamen (TGT) and problem based learning model Learning (PBL). Based on the analysis of research data using SPSS version 22.0 for Windows, that the absence of significant differences in comparison upgrades understanding of mathematics students using model Team Games Tournamen (TGT) and problem based learning model Learning (PBL). Based on the observation sheet student activity given in class Team Games Tournamen (TGT) and Problem Based Learning (PBL), obtained the information that there is no significant difference regarding the activities of students who earn Team Games Tournamen (TGT) and learning model Problem Based Learning (PBL). Therefore, learning by using learning model Team Games Tournamen (TGT) and problem based learning model Learning (PBL), could be an alternative in implementing the learning of mathematics.

**Keywords:** Team Games Tournamen (TGT), Problem Based Learning (PBL), Mathematics Understanding.