

ABSTRACT

Devia Ifdiana. 2016. Comparison of results of student learning using learning model Problem Based Learning with Numbered Head Together on the concept Virus. Guided by . Dr. H. Toto Sutarto Gani Utari, M.Pd. as Supervisor I and Drs. H. Ahmad Mulyadi, M.Pd. as Advisor II.

This study entitled "**Comparison of student learning using learning model Problem Based Learning with Numbered Head Together on the concept Virus**". This study aimed to obtain information on how the comparison of student learning using learning model Problem Based Learning with Numbered Head Together on the concept Virus. The method used in this study is quasi-experimental (Quasi experiment). Research design Nonequivalent Group Design. The population used in this study were students of class X SMAN IPA Jatinangor academic year 2016/2017, amounting to as much as 6 classes with samples of two classes, namely X X IPA IPA 1 and 2 were determined by purposive sampling. Instruments used in the form of objective tests are 20 questions to find out the results of student learning. Based on the post-test data analysis by t-test showed that $t_{hit} > t_{tab}$ at the level of 1%, ie $2.78 > 2.65$. The results showed that there are significant differences between the results of learning using learning model Numbered Head Together with Problem Based Learning. So it can be concluded that there are significant differences between the use of real or learning model Numbered Head Together and Problem Based Learning in class X in the concept of virus. The average value of post-test classes using model Problem Based Learning at 80.44 while the class using learning model Numbered Head Together at 72.05.

Keywords: Numbered Head Together, Problem Based Learning, learning outcomes, the concept Virus