

**EFFECTIVENESS OF COOPERATIVE LEARNING MODEL TYPE
MAKE A MATCH ON CHEMISTRY LEARNING ACHIEVEMENT
AND COMMUNICATION SKILLS OF STUDENTS GRADE
X MIPA SMA N 1 MUNTILAN ON NOMENCLATURE
OF SIMPLE CHEMICAL COMPOUNDS
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ABSTRACT

This study aims to determine the effectiveness of cooperative learning type make a match by knowing whether there is a significant difference in learning achievement of the chemistry of the realm of knowledge and attitudes and communication skills of students of class X MIPA SMA Negeri 1 Muntilan on nomenclature of simple chemical compounds academic year 2017 / 2018. This research was an experimental research using Experimental-Design namely Posttest-Only Control Group Design for variable learning achievement and communication skills. Data analysis techniques used Non-Parametric Test type Mann Whitney for learning achievement variables in the data of knowledge and the data of attitudes and variables of communication skills. Based on the results of the study it can be seen that: (1) There was a significant difference in the application of cooperative learning models using make a match type towards learning achievement in the chemistry of knowledge, (2) There was no significant difference in the application of cooperative learning models using make a match, and (3) There was a significant difference in the application of the cooperative learning model type make a match for students' communication skills. So the cooperative learning model type makes a match was effective to improve the learning achievement of the chemistry of the students' knowledge and communication skills and was not effective in improving the learning achievement of chemistry in the attitude field.

Keywords: Cooperative Learning, Make a Match, Learning Achievement, Communication Skills, Nomenclature of Simple Chemical Compounds.