

ABSTRACT

IRA NOVIYANTI JAMBAK (2013) : Influence Of Mind Mapping Learning Model With Learning Outcomes To Assemble Personal Computer (MPC) In Class X The Field Expertise Of Computer Engineering Network In SMK Negeri 1 Kutalimbaru T.A 2013/2014. Electrical Engineering Education, Faculty Of Engineering, University Of Medan.

This study aims to determine whether learning outcomes Eyes Assemble training Personal Computer (MPC) tenth grade students who were taught using Mind Mapping learning model is better than the group of students who are taught using conventional teaching model .

The study population was all students in classes X Computer the field expertise of computer engineering network in SMK Negeri 1 Kutalimbaru Learning Year 2013/2014 , which consists of 2 class . Samples were taken with Totally Sampling techniques and treatment for selected groups by providing pretest the treatment group with Mind Mapping learning model as many as 36 people and the group treated with conventional learning model as many as 36 people . The research data collected using the test results to learn Assemble Personal Computer (MPC) were analyzed by independent t test at a significance level of 5 % .

The result showed the average learning outcomes Assemble Personal Computer (MPC) students taught with Mind Mapping learning model is 23.69 with tendencies to learn enough level and the average learning outcomes Assemble Personal Computer (MPC) students who are taught by the learning model conventional rate is 16.56 with tendencies to learn enough . The test results showed that the distribution requirements analysis of data Personal Computer learning outcomes Assemble (MPC) is taught by learning model Mind Mapping is a normal distribution where $L_{count} 0.059589 < 0.1477 L_{Table}$ and learning outcomes data to Assemble Personal Computer (MPC) is taught by conventional learning models is a normal distribution where $L_{count} 0.053722 < L_{Table} 0.1477$ and the second variance because the data is Homogeneous because $F_{Table 1,76} > F_{count 1,007}$.

Results of this study indicate that the learning outcomes Assemble Personal Computer (MPC) group of students who are taught using Mind Mapping learning model is better than the group of students who are taught using conventional teaching model in class X Computer Engineering Expertise Network in SMK Negeri 1 Kutalimbaru Learning year 2013/2014 with a value of 8.769 t count > t table 1.668 .

Keywords : Mind Mapping , Conventional , MPC Learning Outcomes