

ABSTRACT

This study aims to describe the implementation of learning implementation using cooperative learning model type make a match using cisco packet tracer media and to know the influence of cooperative learning model type make a match using cisco packet tracer media, to cognitive learning outcomes in class IP address materials TKJ SMKN 1 Arosbaya. This research is a quantitative research using quasi experimental design. The instrument used is a test of learning outcomes in the form of pretest and posttest, a sheet of observation of teachers and students. Results of teacher activity at the first meeting of 92% are very good and the second meeting increased to 95% which is very good. Results of student activity at the first meeting 84.75% with very good category and the second meeting increased 88.75% categorized as very good. Seen from result of gain test get value equal to 0,36 which included in medium category. From the results of research using significance test obtained $t_{\text{count}} = 3.87 > t_{\text{table}} = 2.08$, then H_0 rejected and H_a accepted. The conclusion is that there is an effect of using cooperative learning model type make a match using cisco packet tracer media to cognitive learning outcomes in class IP address material TKJ SMKN 1 Arosbaya.

Key Words: learning outcomes, cooperative type learning model make a match, cisco packet tracer media, IP address