

ABSTRACT

Rose Desy Nurkartika. 2016. Using Demonstration Based Student Facilitator and Explaining to Raise Student Achievement on Biosafety Consep. Under supervised by first Dr. Hj. Mia Nurkanti, M.Kes and second Cita Tresnawati, S.Pd, M.Pd.

This study begin from fenomena happened at SMA Pasundan 7 Bandung that is using conventional method such as speaking method and power point media, and hasn't done evaluation on biosafety consep or laboraratory safety. So that the learning become pasive and the student's knowladge and skill is still low in using laboratories devices. The one of student center method is demonstration based on student facilitator and explaining. The aim of this study is to know the raise of student achievement by using Demonstration based Student Facilitator and Explaining method on biosafety consep with parameter which are measured is student achievement (cognitiv) as the main data (afektif and psikomotor) as the second data. The research method is pre experimental with one group pretest posttest design. The population used is all student in SMA Pasundan 7 grade ten as sample only one class that is X MIA 1 with 24 students. As the result of study is that the pretest value average is 37,95 and the posttest average is 82,25. Based on t test got significant result because $t_{hit} 15,64 \geq t_{tab} 2,81$. N-gain value is 0,69 belong to medium category. The total skor of afektif is 3,68 and psikomotor is 3,76 belong to A category. The result of this study that using student demonstration based Student Facilitator and Explaining method can raise student achivement.

Key word: learning method, demonstration, student facilitator and explaining, biosfety, student achivement.