

ABSTRACT

The Effect of Using Think Pair Share (TPS) Cooperative Learning Model Assisten with Mind Map Based Worksheet on the Students' Biology Learning Competence in Class X SMAN Airpura

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Biology learning competence of the students at SMAN 1 Airpura was still low. It was resulted the students lack of confidence, motivation, responsibility for their groups, less active, got difficulties in understanding the learning materials, this condition then was worsened by the use of uninteresting textbook and Student Worksheet. One of the efforts done to overcome this problem was applying TPS cooperative learning model assisten with mind map based Worksheet. This research sought to reveal the effect of using TPS learning model assisten with mind map based Worksheet on the students learning competence in Biology.

Type of the research is quasi exsperiment research using Randomized Posstest Only Control Group Design. The population of the research was all students in class X of SMAN 1 Airpura registered in the second semester of Academic Year 2016/2017 by 7 classes, while the studends in class X5 were chosen as the experimental group and those in class X6 were taken as the control group by using Purposive Sampling technique. The instrument used in the form of objective test on cognitive and observation sheet to aspect of affective and psychomotor.

Based on the result of the research, it is revealed that biology learning competence of students taught by using TPS cooperative learning model assisten with mind map based Worksheet is better than that of students taught by using conventional learning assisten with mind map based Worksheet. Evidently, on the cognitive aspect the average score of the students in experimental group is 74,93, while in control group is 65,40. Affective aspect the average score of the students in experimental group is 91,50, while in control group is 70,57. In addition, on psychomotor aspect the average score of the students in experimental group is 88,70, while in control group is 67,50. Based on the result of the research, based on these results it is concluded that biology learning competence of students taught by using TPS cooperative learning model assisten with mind map based Worksheet either on cognitive, affective or psychomotor aspect is better compared that of students taught by using conventional learning assisten with mind map based Worksheet.

ABSTRAK

Pengaruh Penggunaan Model Kooperatif Tipe *Think Pair Share* (TPS) disertai LKS Bermuatan Peta Pikiran terhadap kompetensi Belajar Biologi Siswa Kelas X SMAN Airpura

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Kompetensi belajar biologi di SMAN 1 Airpura masih rendah. Hal ini terjadi karena siswa tidak percaya diri, kurangnya motivasi, kurangnya rasa tanggung jawab terhadap kelompok, tidak aktif, sulit memahami materi pelajaran, LKS dan buku paket digunakan kurang menarik. Salah satu upaya yang dapat dilakukan adalah dengan menggunakan model pembelajaran kooperatif tipe TPS disertai LKS bermuatan peta pikiran. Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan model pembelajaran kooperatif tipe TPS disertai LKS bermuatan peta pikiran terhadap kompetensi belajar Biologi.

Jenis penelitian ini adalah penelitian eksperimen semu, yang menggunakan rancangan *the Randomized Posttest Only Control Group*. Populasi penelitian seluruh siswa kelas X SMAN 1 Airpura yang terdapat pada semester II Tahun Pelajaran 2016/2017 sebanyak 7 kelas, sedangkan sampel adalah kelas X5 sebagai kelas eksperimen dan kelas X6 sebagai kelas kontrol yang diambil dengan teknik *Purposive Sampling*. Instrumen yang digunakan berupa tes objektif untuk kompetensi ranah kognitif, dan lembar observasi untuk kompetensi ranah afektif dan psikomotor.

Berdasarkan hasil penelitian, kompetensi belajar biologi siswa dengan pembelajaran kooperatif tipe TPS disertai LKS bermuatan peta pikiran lebih baik dibandingkan siswa dengan pembelajaran konvensional disertai LKS bermuatan peta pikiran. Terbukti, nilai rata-rata kompetensi ranah kognitif siswa kelas eksperimen sebesar 74,93, sedangkan kelas kontrol 65,40. Nilai rata-rata kompetensi ranah afektif siswa kelas eksperimen sebesar 91,50, sedangkan nilai rata-rata siswa kelas kontrol sebesar 70,57. Nilai rata-rata kompetensi ranah psikomotor siswa kelas eksperimen sebesar 88,70, sedangkan nilai rata-rata siswa kelas kontrol sebesar 67,50. Berdasarkan hasil penelitian dapat disimpulkan kompetensi belajar biologi siswa ranah kognitif, afektif dan psikomotor pada model pembelajaran kooperatif tipe TPS disertai LKS bermuatan peta pikiran lebih tinggi dibandingkan pembelajaran konvensional disertai LKS bermuatan peta pikiran.