

ABSTRAK

Penggunaan *Handout* dan Lembaran Kerja Siswa Berbasis *Mind Map* dalam Model Pembelajaran *Numbered Head Together* terhadap Hasil Belajar Siswa Kelas XI SMAN 1 Solok Selatan

Herison

Berdasarkan observasi di lapangan, didapatkan informasi bahwa hasil belajar biologi siswa kelas XI SMAN 1 Solok Selatan masih rendah. Hasil belajar ini menunjukkan bahwa proses pembelajaran biologi yang berlangsung di SMAN 1 Solok Selatan belum optimal membangun pengetahuan dan pemahaman peserta didik. Keaktifan siswa dalam pembelajaran belum sesuai harapan, hanya didominasi oleh siswa-siswa tertentu yang cenderung egois dan sulit bekerja sama. Ketercapaian hasil belajar yang rendah ini harus ditindaklanjuti dengan usaha perbaikan mutu pembelajaran.

Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan *handout* dan lembar kerja siswa berbasis *mind map* dalam model pembelajaran *numbered head together* terhadap hasil belajar siswa. Jenis penelitian ini adalah *Quasi Experimental*. Populasinya adalah seluruh siswa kelas XI SMAN 1 Solok Selatan sebanyak 4 kelas dengan total 112 siswa. Penelitian ini menggunakan rancangan *randomized control group only design*. Sebagai sampel penelitian adalah kelas XI IPA 3 sebagai kelas kontrol dan XI IPA 4 sebagai kelas eksperimen. Data yang diambil merupakan data primer dari skor hasil tes akhir siswa di kelas sampel. Kemudian data dianalisis menggunakan uji t.

Hasil penelitian menunjukkan bahwa nilai rata-rata kelas eksperimen adalah 74,1 lebih tinggi dibanding nilai rata-rata kelas kontrol 67,5. Berdasarkan kriteria ketuntasan minimal yang ditetapkan di SMAN 1 Solok Selatan untuk mata pelajaran biologi Kelas XI Tahun Pelajaran 2013/2014 adalah 65. Pada kelas eksperimen jumlah siswa yang mencapai KKM 27 orang dari 29 siswa dengan ketuntasan klasikal 93,1% sementara pada kelas kontrol hanya 20 dari 27 siswa yang nilainya mencapai KKM dengan ketuntasan klasikal 74,07

Dari analisis data diperoleh $t_{hitung} = 3,53$ sementara t_{tabel} dengan $dk = (n_1 + n_2 - 2) = (29 + 27 - 2) = 54$ pada $\alpha = 0,05$ di dapatkan nilai $t_{tabel} 2,67$. Dari perhitungan didapatkan $t_{hitung} > t_{tabel}$, yang berarti terdapat perbedaan hasil belajar yang signifikan antara kedua kelas sampel. Dengan demikian hipotesis H_0 ditolak dan H_1 diterima yakni “Ada pengaruh penggunaan *handout* dan lembaran kerja siswa berbasis *mind map* dalam model pembelajaran *numbered head togeteher* terhadap hasil belajar siswa kelas XI SMAN 1 Solok Selatan”.

ABSTRACT

Using Handouts and Work Sheets Book Based Mind Map in Numbered Head Together Learning Model to Learning Result of Students at Class XI SMAN 1 Solok Selatan

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Based on observations in the field, it was obtained the information that the learning out comes in biology subject of students at class XI SMAN 1 Solok Selatan were still low. The results of study showed that the learning process of biology at SMAN 1 Solok Selatan was not optimal to build knowledge and understanding of learners yet. Desire of the students in learning process was still not satisfied in expectation, on the other hand, only a little number of students dominated the process tended to be egoist and they were difficult to work together. This low of result of learning process should be followed up by some efforts to fix the qualities of learning.

The goal of this research was to know the influence of using handout and students worksheets book based mind map in NHT learning model to activities and learning result of students. This research was quasi experimental research. Population of this research was students at class XI of SMAN 1 Solok Selatan which consist of 112 students distributed into 4 classes. The design of this research was randomized control group only design. The sample of this research was class XI IPA 3 as control group and class XI IPA 4 as experimental group. The primary data was the score of final test result in sample group. Then the data were analyzed by using t_{test} .

The result of this research shows that the mean score of experimental group was 74.1 higher than the control group which was 67.5. The minimum mastery criterion (KKM) of biology subject which was decided at SMAN 1 Solok Selatan for XI grade on academic year 2013/2014 was 65. In experimental group, the students who achieved score more than the minimum mastery criterion were 27 of 29 students with the mastery of classical was 93.1%, meanwhile, students who achieved the score more than minimum mastery criterion were only 20 of 27 students with the mastery classical was 74.07%.

In analyzing data, it was found that $t_{calculate} = 3,53$ meanwhile t_{table} with $dk = (n_1 + n_2 - 2) = (29 + 27 - 2) = 54$ on $\alpha = 0.05$, it was gotten the point of $t_{table} 2,67$. Based on counting of the score, it was found that $t_{calculate} > t_{table}$, it means that there was distinctions of result of learning significantly between both sample groups. Thus, hypothesis H_0 was rejected and H_1 was received that "there is influence by using handout and worksheet book based mind map in numbered head together learning model to activities and learning result of students at class XI SMAN 1 Solok Selatan.