

**PERBEDAAN HASIL BELAJAR SISWA YANG DIAJAR MENGGUNAKAN
SOFTWARE CAMTASIA DAN SOFTWARE COURSELAB PADA MATERI
SISTEM REPRODUKSI MANUSIA DI KELAS XI IPA SMA
NEGERI 3 MEDAN TAHUN PEMBELAJARAN 2013/2014**

Nancy Christina Batubara (NIM. 4103141051)

ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar siswa yang diajar menggunakan software Camtasia dan software CourseLab pada materi sistem reproduksi manusia di kelas XI IPA SMA Negeri 3 Medan Tahun Pembelajaran 2013/2014. Populasi dalam penelitian ini adalah seluruh siswa kelas XI IPA yang terdiri atas 9 kelas dengan jumlah siswa per kelas rata-rata 45 orang. Sedangkan sampel penelitian diambil dengan teknik *Purposive sampling* sebanyak 2 kelas yaitu kelas XI IPA 8 dan XI IPA 9 yang masing-masing berjumlah 45 orang. Jenis penelitian ini adalah penelitian quasi-eksperimen. Berdasarkan hasil teknik analisis data, diketahui bahwa hasil belajar siswa dari kelas eksperimen I (kelas Camtasia) dan kelas eksperimen II (kelas CourseLab) berdistribusi normal dan memiliki varians yang seragam (homogen). Sementara berdasarkan perolehan hasil belajar siswa terlihat ada perbedaan hasil belajar yang signifikan dengan rata-rata hasil belajar siswa kelas eksperimen I (kelas Camtasia) sebesar 80,44 sedangkan rata-rata hasil belajar siswa kelas eksperimen II (kelas CourseLab) sebesar 94,04. Adanya perbedaan hasil belajar siswa pada kedua kelas eksperimen tersebut dibuktikan melalui pengujian hipotesis menggunakan uji-t dua pihak dengan taraf signifikan $\alpha = 0,05$ diperoleh harga $-t_{tabel} > t_{hitung} < t_{tabel}$ ($-1,989 > -12,952 < 1,989$), yang berarti dalam penelitian ini H_a diterima sekaligus menolak H_0 . Sehingga dapat disimpulkan bahwa ada perbedaan yang signifikan antara hasil belajar siswa yang diajar menggunakan software Camtasia dan software CourseLab pada materi sistem reproduksi manusia di kelas XI IPA SMA Negeri 3 Medan Tahun Pembelajaran 2013/2014.

Kata kunci : Perbedaan Hasil Belajar, *Software*, Camtasia, CourseLab, Sistem Reproduksi Manusia

**DIFFERENCE IN LEARNING OUTCOMES OF STUDENTS THAT TAUGHT
USING CAMTASIA SOFTWARE AND COURSELAB SOFTWARE
ON TOPIC OF HUMAN REPRODUCTIVE SYSTEM IN XI CLASS
SCIENCE AT STATE SENIOR HIGH SCHOOL 3rd
MEDAN ON ACADEMIC YEAR 2013/2014**

Nancy Christina Batubara (NIM. 4103141051)

ABSTRACT

This study aims to determine the differences in learning outcomes of students that taught using Camtasia software and CourseLab software on the topic of human reproductive system in XI Science class at State Senior High School 3rd Medan on Academic Year 2013/2014. The population in this study were all students of class XI Science which consists of 9 classes by the number of students per class on average 45 people. While the samples were taken by purposive sampling technique that is as much as 2 classes XI Science 8 and XI Science 9 which amounted to 45 people. This type of study is a quasi-experimental. Based on the results of data analysis techniques, it is known that the student learning outcomes from the experimental class I (Camtasia class) and experimental class II (CourseLab class) has a normal distribution and uniform variance (homogenous). While based on the acquisition of student learning outcomes seen significant difference in learning outcomes with the average student learning outcomes of experimental class I was 80,44 while the experimental class II was 94,04. The difference in student learning outcomes in both experimental class is evidenced through hypothesis testing using t-test with a level two parties with significance level $\alpha = 0,05$ gained the price of $-t_{table} > t_{count} < t_{table}$ ($-1,989 > -12,952 < 1,989$), which means that in this study H_a received while rejecting H_0 . Thus it can be concluded that there are significant difference between the learning outcomes of students that taught using Camtasia software and CourseLab software on the topic of human reproductive system in XI Class Science at State Senior High School 3rd Medan on Academic Year 2013/2014.

Keyword : Difference in learning outcomes, *Software*, Camtasia, CourseLab, Human Reproductive System