

**PERBEDAAN HASIL BELAJAR BIOLOGI SISWA MENGGUNAKAN
MODEL PEMBELAJARAN KOOPERATIF TIPE *NHT (NUMBERED
HEADS TOGETHER)* DAN *TALKING STICK* TENTANG SISTEM
REPRODUKSI MANUSIA DI KELAS XI IPA SMA
NEGERI 3 BINJAI T.P. 2011/2012**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui adanya perbedaan hasil belajar Biologi siswa menggunakan model pembelajaran kooperatif tipe *NHT (Numbered Heads Together)* dan *Talking Stick* tentang Sistem Reproduksi Manusia di kelas XI IPA SMA Negeri 3 Binjai T.P. 2011/2012.

Jenis penelitian ini adalah penelitian eksperimen dengan menggunakan tes objektif sebagai alat untuk mendapatkan data penelitian. Populasi pada penelitian ini adalah seluruh siswa kelas XI IPA SMA Negeri 3 Binjai Tahun Pembelajaran 2011/2012 yang berjumlah 256 orang. Sedangkan sampel penelitian diambil secara acak yang terdiri dari 2 kelas yaitu seluruh siswa kelas XI IPA-1, kelas X_1 (kelas eksperimen 1, yang diajar dengan model pembelajaran kooperatif tipe *NHT (Numbered Heads Together)*) dan kelas XI IPA-2, kelas X_2 (kelas eksperimen 2, diajar dengan model pembelajaran *Talking Stick*) dengan jumlah sampel masing – masing adalah 40 orang, sehingga jumlah sampel dalam penelitian berjumlah 80 orang.

Berdasarkan hasil analisis data penelitian, diketahui nilai rata-rata post-tes kelas eksperimen 1 (*Numbered Heads Together*) sebesar 80,66 dan SD sebesar 11,68 sedangkan rata-rata hasil belajar siswa yang diajar menggunakan *Talking Stick* sebesar 74,24 dan SD sebesar 9,55. Adanya perbedaan hasil belajar siswa pada kedua kelas penelitian tersebut dibuktikan melalui uji hipotesis dengan menggunakan uji-t dengan taraf kepercayaan $\alpha = 0,05$, dimana $t_{hitung} > t_{tabel}$ ($2,74 > 1,99$), yang berarti dalam penelitian ini H_0 ditolak sekaligus menerima H_a sehingga dapat dinyatakan bahwa ada perbedaan hasil belajar Biologi siswa yang signifikan yang diajar menggunakan model pembelajaran kooperatif tipe *NHT (Numbered Heads Together)* dan *Talking Stick* tentang Sistem Reproduksi Manusia di Kelas XI IPA SMA Negeri 3 Binjai T.P. 2011/2012 dengan taraf kepercayaan 95%.

**DIFFERENCE OF LEARNING OUTCOMES STUDENTS OF BIOLOGY
WITH LEARNING MODEL TYPE COOPERATIVE *NHT* (*NUMBERED
HEADS TOGETHER*) AND *TALKING STICK* ABOUT HUMAN
REPRODUCTION SYSTEM IN CLASS XI IPA NEGERI 3
BINJAI LEARNING YEAR 2011/2012**

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ABSTRACT

This study aims to determine the difference of learning outcomes students of Biology with learning model type cooperative *NHT* (*Numbered Heads Together*) and *Talking Stick* about Human Reproduction System in class XI IPA Negeri 3 Binjai learning year 2011/2012.

This type of research is experimental research by using objective tests as a tool to obtain research data. The population in this study is the whole class XI IPA SMA Negeri 3 Binjai Learning Year 2011/2012 with enrollment of 256 people, which consists of 2 classes with enrollment of 80 people. While the study sample was taken in random sampling that consists of two class, where class XI IPA-1 serve as an experimental class 1 using the cooperative model of the type of *NHT* (*Numbered Heads Together*) by number of students is 40 people and the class XI IPA-2 used as an experimental class 2 using the *Talking Stick* model with the number of students as many as 40 people, so the number of samples in the study as many as 80 people.

Based on the results of the analysis of research data, is seen a difference in learning outcomes with the average students learning outcomes on experimental class 1 (*Numbered Heads Together*) at 80.66 and SD at 11,68. While the learning outcomes of students in the experimental class 2 (*Talking Stick*) at 74.24 and SD at 9,55. The existence of differences in learning outcomes, is also evident through $\alpha = 0.05$, where α hypothesis testing using t- test and confidence level of $t_{hitung} > t_{tabel}$ ($2,74 > 1,99$), means that in this research the hypothesis (H_0) is refected and alternative hypothesis (H_a) is accepted. It can concluded then, that there is a significant difference of learning outcomes students of Biology with learning model type cooperative *NHT* (*Numbered Heads Together*) and *Talking Stick* about Human Reproduction System in class XI IPA Negeri 3 Binjai learning year 2011/2012 with evident through 95%.