

**PERBEDAAN HASIL BELAJAR SISWA MENGGUNAKAN  
MODEL PEMBELAJARAN *MAKE A MATCH* (MAM)  
DENGAN *COOPERATIVE INTEGRATED READING  
AND COMPOSITION* (CIRC) PADA SUB MATERI  
PENCEMARAN LINGKUNGAN DI KELAS  
X IPA PERGURUAN SMA AL-HIDAYAH  
MEDAN TAHUN PEMBELAJARAN  
2013/2014**

**Hikmah Hayati Nasution (NIM 4101141011)  
ABSTRAK**

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar siswa menggunakan model pembelajaran *Make A Match* (MAM) dengan *Cooperative Integrated Reading and Composition* (CIRC) pada sub Materi Pencemaran Lingkungan di Kelas X IPA Perguruan SMA AL-Hidayah Medan Tahun Pembelajaran 2013/2014. Populasi dalam penelitian ini adalah seluruh siswa kelas X IPA Semester 2 Medan yang terdiri dari 3 kelas dengan jumlah siswa seluruhnya adalah 86. Sedangkan sampel diambil secara classring sampling sebanyak dua kelas yaitu X IPA 2 sebagai kelas *Make A Match* (MAM) dan X IPA 3 sebagai kelas *Cooperative Integrated Reading and Composition* (CIRC) masing-masing berjumlah 28 orang, sehingga jumlah sampel dalam penelitian ini sebanyak 56 orang dan jenis penelitian yang dilakukan adalah eksperimen. Dari hasil analisis data diperoleh nilai rata-rata hasil belajar siswa pada kelas *Make A Match* (MAM) sebesar 87,14 dengan Standar Deviasi 5,79, sedangkan pada kelas *Cooperative Integrated Reading and Composition* (CIRC) sebesar 79,10 dengan Standar Deviasi 5,38 sehingga diketahui nilai rata-rata postes kelas *Make A Match* (MAM) dibandingkan kelas *Cooperative Integrated Reading and Composition* (CIRC). Adanya perbedaan hasil belajar tersebut dibuktikan melalui pengujian hipotesis dengan menggunakan uji-t dan taraf kepercayaan  $\alpha = 0.05$ , dimana  $t_{hitung} > t_{tabel}$  ( $3,64 > 2,006$ ) yang berarti dalam penelitian ini  $H_0$  ditolak dan  $H_a$  diterima. Sehingga dapat dinyatakan bahwa ada perbedaan yang signifikan secara statistik dimana kelas *Make A Match* (MAM) lebih baik hasil belajarnya daripada kelas yang menggunakan *Cooperative Integrated Reading and Composition* (CIRC) pada Sub Materi Pencemaran Lingkungan Di Kelas X IPA Perguruan SMA AL-Hidayah Medan Tahun Pembelajaran 2013/2014.

*Kata kunci : model kooperatif make a match dan cooperative integrated reading and composition, hasil belajar pencemaran lingkungan*

**DIFFERENCES OF STUDENT LEARNING OUT COMES LEARNING  
USING MODEL MAKE A MATCH (MAM) WITH COOPERATIVE  
INTEGRATED READING AND COMPOSITION (CIRC) SUB IN  
MATERIALS ENVIRONMENTA POLLUTION  
INCLASS X IPA SMA AI-HIDAYAH MEDAN  
2013/2014**

Hikmah Hayati Nasution (NIM 4101141011)  
ABSTRACT

This study aimed to determine differences in student learning outcomes using learning model *Make A Match* (MAM) with *Cooperative Integrated Reading and Composition* (CIRC) in sub Matter Pollution in Class X Science Education AL-Hidayah High School Field Learning Year 2013/2014. The population in this study were all students of class X Science Field of Study Semester 2 2013/2014 consisting of three classes with a whole number of students is 86. The samples were taken in consideration (purposive sampling) of two classes: a class X science 2 *Make A Match* (MAM) and X 3 as a class IPA *Cooperative Integrated Reading and Composition* (CIRC) of each of 28 people, so the number of samples in this study were 56 people and the kind of research is experimental. From the analysis of the data obtained value – average student learning outcomes in the classroom *Make A Match* (MAM) of 87.14 with a standard deviation of 5.79, while the class of *Cooperative Integrated Reading and Composition* (CIRC) of 79.10 with a standard deviation of 5.38 so that the known increase in the average value of the class posttest *Make A Match* (MAM) than class *Cooperative Integrated Reading and Composition* (CIRC) and can be obtained by the individual student mastery values with. The big difference in learning outcomes is evidenced through hypothesis testing using t-test and confidence level  $\alpha=0.05$  where  $t_{hitung} > t_{tabel}$  ( $3.64 > 2.006$ ) with a ratio of which means that in this study  $H_0$  is rejected and accepted. So it can be stated that there is a statistically significant difference which class *Make A Match* (MAM) is higher than the results of their study used class of *Cooperative Integrated Reading and Composition* (CIRC) in Sub Matter Pollution In Class X Science Education High School AL-Hidayah Medan Year learning 2013/2014.

*Keywords: learning outcomes make a match and cooperative integrated reading and composition, environmental pollution*