

**PENGARUH MODEL *RECIPROCAL TEACHING* DIPADU *MIND MAPPING*
TERHADAP KEMAMPUAN KOGNITIF DAN SIKAP DALAM MENJAGA
PERTAHANAN TUBUH SISWA PADA MATERI SISTEM IMUNITAS
KELAS XI IPA SMA NEGERI 1 BATANG KUIS T.P.2017/2018**

Ria Arlina (NIM 4141141061)

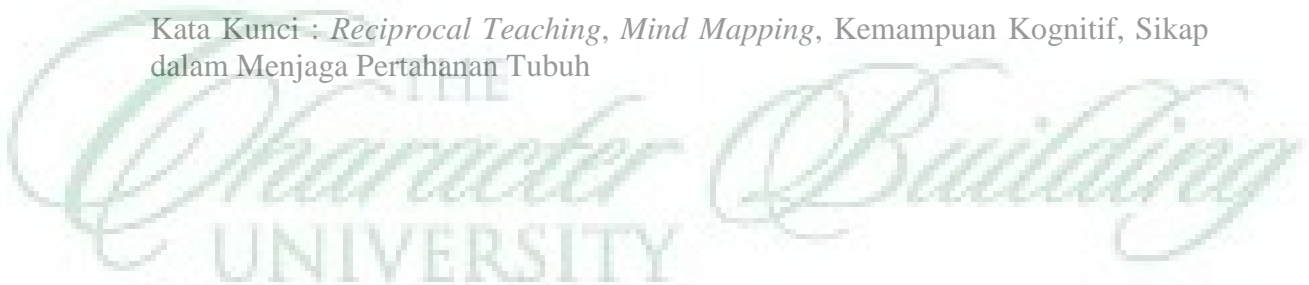
ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model *reciprocal teaching* dipadu *mind mapping* terhadap kemampuan kognitif dan sikap dalam menjaga pertahanan tubuh siswa pada materi sistem imunitas di kelas XI IPA SMA Negeri 1 Batang Kuis Tahun Pembelajaran 2017/2018.

Jenis penelitian ini adalah *quasi eksperimen*. Populasi dalam penelitian ini adalah seluruh siswa kelas XI IPA SMA Negeri 1 Batang Kuis yang terdiri dari 4 kelas berjumlah 120 orang. Pengambilan sampel dilakukan secara acak (*random sampling*), kelas XI IPA 1 sebagai kelas eksperimen berjumlah 30 orang dan kelas XI IPA 2 sebagai kelas kontrol berjumlah 31 orang. Alat pengumpul data pada penelitian ini berupa instrumen tes pilihan berganda sebanyak 30 butir untuk mengukur kemampuan kognitif, dan instrumen non tes berupa angket untuk memperoleh data sikap dalam menjaga pertahanan tubuh siswa. Pengaruh kemampuan kognitif dan sikap dalam menjaga pertahanan tubuh siswa diuji menggunakan uji t (dua pihak) dengan $\alpha = 0,05$.

Hasil penelitian menunjukkan bahwa t_{hitung} kemampuan kognitif ($postes$) = 2,96 dan t_{hitung} sikap dalam menjaga pertahanan tubuh siswa = 2,91, karena masing-masing tidak terletak antara $t_{tabel} = -1,981$ hingga 1,981 atau $t_{hitung} > t_{tabel}$ maka H_0 ditolak dan H_a diterima. Hal ini menunjukkan bahwa ada pengaruh model *reciprocal teaching* dipadu *mind mapping* terhadap kemampuan kognitif dan sikap dalam menjaga pertahanan tubuh siswa pada materi sistem imunitas di kelas XI IPA SMA Negeri 1 Batang Kuis Tahun Pembelajaran 2017/2018.

Kata Kunci : *Reciprocal Teaching*, *Mind Mapping*, Kemampuan Kognitif, Sikap dalam Menjaga Pertahanan Tubuh



**EFFECT OF MODEL *RECIPROCAL TEACHING* COMBINED *MIND MAPPING*
TOWARD COGNITIVE ABILITY AND ATTITUDE IN KEEPING THE BODY
DEFENSE OF STUDENTS ON THE IMMUNITY SYSTEM MATERIALS
GRADE XI SCIENCE OF SENIOR HIGH SCHOOL 1 BATANG KUIS
ACADEMIC YEAR 2017/2018**

Ria Arlina (NIM 4141141061)

ABSTRACT

This research aimed to determine the effect of model *reciprocal teaching* combined *mind mapping* toward cognitive ability and attitude in keeping the body defense of students on material immunity system in class XI Science of Senior High School 1 Batang Kuis Academic Year 2017/2018.

The type of this research was *quasi experimental*. The population in this study were all students of class XI science of senior high school 1 Batang Kuis consisting of 4 classes totaled 120 people. Taking sample in this study were drawn at random (*random sampling*), class XI Science 1 as class of the experiment totaled 30 people and class XI Science 2 as class of the control totaled 31 people. Data collection tool in this study test instruments of multiple-choice tests is much as 30 item to measure the cognitive ability, and instrument of non test questionnaire for obtain data attitude in keeping the body defense of students. Effect of cognitive ability and attitude in keeping the body defense of students were tested using the t test (two party) with $\alpha = 0,05$.

The results showed that t_{count} cognitive ability (posttest) = 2,96 and t_{count} attitude in keeping the body defense of students = 2,91, because each of them were not located between $t_{\text{table}} = -1,981$ to 1,981 or $t_{\text{count}} > t_{\text{table}}$ so that H_0 rejected and H_a received. This show that there was influence of model *reciprocal teaching* combined *mind mapping* for cognitive ability and attitude in keeping the body defense of students on the immunity system materials in class XI Science of Senior High School 1 Batang Kuis Academic Year 2017/2018.

Keywords: *Reciprocal Teaching, Mind Mapping, Cognitive Ability, Attitude in Keeping the Body Defense*

