

**EFEKTIVITAS PEMBELAJARAN BIOLOGI MENGGUNAKAN STRATEGI BELAJAR
PETA KONSEP DALAM UPAYA PENINGKATAN
HASIL BELAJAR SISWA PADA SUB MATERI POKOK
SISTEM SARAF MANUSIA DI KELAS XI IA
SMA SWASTA TELADAN P.SIANTAR
T.P. 2011/2012**

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ABSTRAK

Penelitian ini bertujuan meningkatkan hasil belajar dan aktivitas belajar siswa kelas XI IA SMA Swasta Teladan Pematangsiantar dengan menerapkan strategi belajar Peta Konsep pada mata pelajaran Biologi. Subjek penelitian adalah seluruh siswa kelas XI IA-3, berjumlah 44 orang SMA Swasta Teladan Pematangsiantar T.P 2011/2012. Penelitian didesain dalam bentuk penelitian tindakan kelas (*Classroom Action Research*). Pada siklus I, materi ajar “Struktur dan Fungsi Sel Saraf”, bentuk tindakan strategi belajar peta konsep setelah mendapat penjelasan langkah-langkah strategi belajar peta konsep dari guru dan siswa ditugaskan membuat peta konsep pada buku catatan sesuai penjelasan guru. Siklus II, materi ajar “Susunan Sistem Saraf dan Kelainannya”, bentuk tindakan dengan memberikan contoh (model) peta konsep, kemudian siswa melanjutkan strategi pemetaan konsep untuk konsep-konsep yang lebih spesifik.

Parameter hasil belajar diukur menggunakan teknik persentase ketuntasan belajar siswa secara individu dan klasikal. Rata-rata hasil belajar siswa setelah tindakan siklus I adalah 65,86 dan hasil belajar setelah tindakan siklus II adalah 75,93. Menunjukkan peningkatan hasil belajar siswa sebesar 10,07. Ketuntasan belajar klasikal siswa pada siklus I sebesar 54,55 % (24 orang siswa/tuntas) dan pada siklus II ketuntasan klasikal sebesar 99,91% (40 orang siswa/tuntas). Tindakan dihentikan pada siklus II dengan tercapainya indikator ketuntasan. Hasil observasi menunjukkan aktivitas belajar siswa mengalami peningkatan dari pada siklus I (63,5) ke siklus II (90,25). Hasil penelitian membuktikan, bahwa pembelajaran mata pelajaran biologi menggunakan strategi belajar Peta Konsep dapat meningkatkan hasil belajar siswa kelas XI IA-3 SMA Swasta Teladan Pematangsiantar tahun pembelajaran 2011/2012.

Kata Kunci : strategi belajar, pemetaan konsep, hasil belajar, aktivitas.

**EFFECTIVENESS OF BIOLOGY LEARNING BY USING MAPPING CONCEPT
LEARNING STRATEGY IN ORDER TO IMPROVE STUDENT'S
LEARNING ACHIEVEMENT ON SUB CONCEPT HUMAN
NERVOUS SYSTEM IN GRADE XI IA SMA SWASTA
TELADAN PEMATANGSIANTAR
ACADEMIC YEAR 2011/2012**

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ABSTRACT

The aim of this research was to improve student's learning achievement and students learning activity in grade XI IA SMA Swasta Teladan Pematangsiantar by implementing Mapping Concept Learning Strategy in Biology Learning. The Subject research was entire students of XI IA-3 with total 44 students in SMA Swasta Teladan Pematangsiantar. This research was Classroom Action Research. In cyclus I, sub concept "structure and function of nervous cell/neuron", form of step Mapping Concept Learning Strategy after students was get explanation from the teacher, students was made mapping concept in their script based on the teacher explanation. In cyclus II, sub concept "Arrangement of nervous system and its disorder", action formation by giving example (model) mapping concept then students continued mapping concept strategy for more specific concepts.

Parameter of learning achievement that used in this research was percentage of student's learning completeness individually technique and classical learning completeness. Average of learning achievement after implemented Mapping Concept Learning Strategy in cyclus I was 65,86 and in postes II in cyclus II was 75,93. This result showed that the increasing of student's learning achievement was 10,07. Student's classical learning completeness in cyclus I was obtained of 54,55 % (24 students was stated "had been complete") and cyclus II, student's classical learning completeness was 99,91 % (40 students was stated "had been complete"). Action of this research was stopped because classical learning had reached the completeness indicator. Likewise the student's learning activity also was increasing from cyclus I (63,5) to cyclus II (90,25). Based on the obtained study result learning by implementing mapping concept learning strategy in Biology can be increased student's learning achievement in grade XI IA-3 SMA Swasta Teladan Pematangsiantar Academic Year 2011/2012.

Keywords : *learning strategy, mapping concept, learning achievement, activity.*

