

ABSTRAK

IMPLEMENTASI MODEL PEMBELAJARAN *VISUAL, AUDITORY, READ/WRITE, KINESTHETIC (VARK-FLEMING)* UNTUK MENINGKATKAN HASIL BELAJAR KOGNITIF SISWA PADA MATERI GELOMBANG MEKANIK

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Penelitian ini dilatarbelakangi bahwa di SMA Negeri 3 Tasikmalaya, nilai hasil belajar kognitif siswa masih rendah. Upaya yang dilakukan peneliti untuk mengatasi masalah tersebut adalah dengan menerapkan model pembelajaran *Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming)*. Tujuan penelitian ini untuk menganalisis implementasi model pembelajaran *Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming)* dalam meningkatkan hasil belajar siswa pada materi gelombang mekanik. Metode Penelitian yang digunakan adalah *quasi experiment* karena penelitian ini merupakan penelitian Pendidikan dengan objek yang diteliti manusia. Desain penelitian *non-equivalent control group design*, Dimana kedua kelas akan melaksanakan tes sebelum dan sesudah diberikan perlakuan. Populasi penelitian ini yaitu seluruh kelas XI MIPA SMA Negeri 3 Tasikmalaya, sebanyak 8 kelas dengan jumlah siswa 279 orang. Sampel penelitian diambil dengan menggunakan teknik *purposive sampling*, kelas XI MIPA 4 (36 siswa) sebagai kelas eksperimen dan kelas XI MIPA 5 (36 siswa) sebagai kelas kontrol. Dalam mengukur hasil belajar siswa hanya pada aspek kognitif saja yaitu (C1, C2, C3, C4). peserta didik dilakukan tes sebelum perlakuan (*pretest*) dan setelah diberi perlakuan (*posttest*) berbentuk uraian berjumlah 10 soal pada materi pokok gelombang mekanik. Hasil uji hipotesis menggunakan uji *t* dengan taraf signifikansi ($\alpha = 0,01$) menunjukkan bahwa setelah diterapkan model pembelajaran *Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming)* di peroleh diperoleh $t_{hitung} > t_{tabel}$ yaitu $6,44 > 2,35$ sehingga H_0 ditolak dan H_a diterima. Artinya pada taraf kepercayaan 99% dapat disimpulkan bahwa penerapan model pembelajaran *Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming)* dapat meningkatkan hasil belajar kognitif siswa.

Kata kunci: hasil belajar kognitif siswa, materi gelombang mekanik, model pembelajaran *Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming)*.

ABSTRACT

IMPLEMENTATION OF VISUAL, AUDITORY, READ/WRITE, KINESTHETIC (VARK-FLEMING) LEARNING MODELS TO IMPROVE STUDENTS' COGNITIVE LEARNING OUTCOMES ON MECHANICAL WAVE MATERIALS

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This research was motivated by the fact that at SMA Negeri 3 Tasikmalaya, students' cognitive learning outcomes were still low. The efforts made by researchers to overcome this problem are by implementing the Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming) learning model. The aim of this research is to analyze the implementation of the Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming) learning model in improving student learning outcomes in mechanical wave material. The research method used is a quasi experiment because this research is educational research with objects examined by humans. The research design is non-equivalent control group design, where both classes will carry out tests before and after being given treatment. The population of this research is all classes XI MIPA SMA Negeri 3 Tasikmalaya, totaling 8 classes with a total of 279 students. The research sample was taken using purposive sampling technique, class XI MIPA 4 (36 students) as the experimental class and class XI MIPA 5 (36 students) as the control class. In measuring student learning outcomes only on cognitive aspects, namely (C1, C2, C3, C4). Students were tested before treatment (pretest) and after being given treatment (posttest) in the form of a description of 10 questions on the main material of mechanical waves. The results of hypothesis testing using the t test with a significance level ($\alpha = 0.01$) show that after applying the Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming) learning model, $t_{count} > t_{table}$ was obtained, namely $6.44 > 2.35$ so that H_0 is rejected and H_a is accepted. This means that at a confidence level of 99% it can be concluded that the application of the Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming) learning model can improve students' cognitive learning outcomes.

Keywords: students' cognitive learning outcomes, mechanical wave material, Visual, Auditory, Read/Write, Kinesthetic (VARK-Fleming) learning models