

ABSTRAK

Wijaya, I Ketut. 2024. Pengaruh Model *Case Based Learning* Berbantuan Video Kontekstual terhadap Kemampuan Literasi Sains dan Keterampilan Berpikir Kreatif dalam Pembelajaran Fisika Kelas XI SMA. Singaraja: Program Pascasarjana, Universitas Pendidikan Ganesha.

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Kata kunci : model *case based learning*, video kontekstual, kemampuan literasi sains dan keterampilan berpikir kreatif

Penelitian ini dilatarbelakangi oleh hasil PISA dan TIMSS yang menunjukkan bahwa kemampuan literasi sains dan kemampuan pemecahan masalah dalam bidang sains masih rendah. Tujuan penelitian ini adalah untuk mendeskripsikan perbedaan pengaruh model *case based learning* berbantuan video kontekstual terhadap kemampuan literasi sains dan keterampilan berpikir kreatif siswa dalam pembelajaran fisika. Penelitian ini merupakan penelitian eksperimen semu dengan *non equivalent pretest-posttest control group design*. Populasi penelitian ini adalah siswa kelas XI rumpun IPA SMA Negeri 1 Selat tahun pelajaran 2023/2024, yang terdiri atas lima kelas (167 peserta didik). Sampel penelitian ini adalah tiga kelas (102 peserta didik) yang ditetapkan menggunakan teknik *simple random sampling*, yang selanjutnya terpilih kelas XI-A dengan perlakuan model *case based learning* berbantuan video kontekstual, kelas XI-C dengan perlakuan model *case based learning* dan kelompok kontrol kelas XI-B dengan perlakuan model *direct instruction*. Data kemampuan literasi sains dan keterampilan berpikir kreatif fisika dikumpulkan dengan tes essay. Analisis data menggunakan uji statistik *Multivariate Analysis of Covariance* (MANCOVA) satu jalur. Pengujian hipotesis menggunakan taraf signifikansi 5%. Hasil penelitian menunjukkan bahwa (1) terdapat perbedaan kemampuan literasi sains dan keterampilan berpikir kreatif fisika secara bersama-sama antara kelompok peserta didik yang belajar dengan model *case based learning* berbantuan video kontekstual, model *case based learning* dan model *direct instruction*; (2) terdapat perbedaan kemampuan literasi sains fisika antara kelompok peserta didik yang belajar dengan model *case based learning* berbantuan video kontekstual, model *case based learning* dan model *direct instruction*; (3) terdapat perbedaan keterampilan berpikir kreatif fisika antara kelompok peserta didik yang belajar dengan model *case based learning* berbantuan video kontekstual, model *case based learning* dan model *direct instruction*. Berdasarkan hasil penelitian ini, dapat disimpulkan bahwa model *case based learning* berbantuan video kontekstual secara signifikan berpengaruh terhadap kemampuan literasi sains dan keterampilan berpikir kreatif dalam pembelajaran fisika kelas XI SMA.

ABSTRACT

Wijaya , I Ketut . 202 4 . The Influence of *the Case Based Learning* Model Assisted by Contextual Video To Ability Literacy Science And Skills Think Creative in Learning Physics Class XI SMA . Singaraja : Postgraduate Program , University Education Ganesha .

This Thesis This Already Approved And checked by : **Prof. Dr. Dr. I Wayan Santyasa , M.Sc and Prof. Dr. Ni Nyoman Parwati , M.Pd**

Keywords : *case based learning* model , contextual video capabilities literacy science And Skills think creative

This research is motivated by the results of PISA and TIMSS which show that scientific literacy and problem solving abilities in the field of science are still low. Objective study This is For describe difference model influence *case based learning assisted* by contextual video ability literacy science And Skills think creative student in learning physics . Study This is study experiment pseudo with *non equivalent pretest - posttest control group design* . Population study This is student class XI science group of SMA Negeri 1 Selat year p lessons 2023/2024, which consists on five class (167 students). Sample study This is three classes (102 students) specified use technique *simple random sampling* , which is next selected class XI-A with model treatment *case based learning* assisted by contextual video, class XI-C with model treatment *case based learning* and a control group for class XI-B with *direct instruction model treatment* . Capability data literacy science And Skills think creative physics collected with essay test . Data analysis using test statistics *Multivariate Analysis of Covariance* (MANCOVA) one track . Testing hypothesis use level significance 5%. Results study show that (1) exists difference ability literacy science And Skills think creative physics in a way together between group of students studying with models *case based learning* assisted by contextual videos, *case based learning models* and *direct instruction* model ; (2) exists difference ability literacy science physics between group of students studying with *case based learning* models assisted by contextual videos, *case based learning models* and *direct instruction* model ; (3) exists difference Skills think creative physics between group of students studying with *case based learning* models assisted by contextual videos, *case based learning models* and *direct instruction* model . Based on the results of this research, it can be concluded that model *case based learning* assisted by contextual video has a significant effect on ability literacy science And Skills think creative in physics learning class XI SMA.