

ABSTRAK

Sudarwis: Penerapan Model Pembelajaran IBSE (*Structured Inquiry Based Science Education* Jenis Terstruktur untuk Meningkatkan Pemahaman Konsep Peserta Didik pada Materi Pokok Fluida Dinamis

Permasalahan penelitian ini yaitu rendahnya pemahaman konsep fisika peserta didik kelas XI IPA 2 SMA Negeri 1 Tirtajaya pada materi pokok fluida dinamis. Tujuan penelitian ini untuk mengetahui keterlaksanaan aktivitas guru dan peserta didik selama proses pembelajaran berlangsung serta mengetahui peningkatan pemahaman konsep peserta didik setelah diterapkannya model pembelajaran IBSE (*Structured Inquiry Based Science Education* jenis terstruktur pada materi pokok fluida dinamis. Metode penelitian yang digunakan adalah metode pre eksperimen (*Pre experiment*) dengan desain penelitian *one group pretest-posttest design*. Lokasi penelitian yaitu di SMAN 1 Tirtajaya Karawang. Teknik pengambilan sampel dengan *purposive sampling* dan diperoleh sampel penelitian yaitu kelas XI IPA 2 yang berjumlah 40. Hasil penelitian yang diperoleh yaitu berupa persentase rata-rata keterlaksanaan aktivitas guru sebesar 92,3% terlaksana sangat baik, persentase rata-rata keterlaksanaan aktivitas peserta didik sebesar 86,3% terlaksana sangat baik. Nilai *N-Gain* secara keseluruhan sebesar 0,89 yang terkategori “Tinggi”. Hasil uji hipotesis diperoleh t_{hitung} sebesar 48 dengan taraf kesalahan 1% diperoleh t_{tabel} sebesar 2,4298. Kesimpulannya, pemahaman konsep peserta didik kelas XI IPA 2 SMAN 1 Tirtajaya meningkat secara signifikan setelah diterapkannya model pembelajaran IBSE (*Structured Inquiry Based Science Education* jenis terstruktur pada pembelajaran fisika materi pokok fluida dinamis.

Kata Kunci: IBSE (*Structured*), *Inquiry Based Science Education*, Pemahaman konsep.

ABSTRACT

Sudarwis: *Study of Model Application IBSE (Structured) Inquiry Based Science Education to kind of structures to Improviated Student Concept Comphrehension on The Fluids Dinamic of Major Material.*

This study is low the comphrehension physics of concept to students XI IPA 2 SMA Negeri 1 Tirtajaya on the fluids dinamic of major matreial. Aim this study are to know the teacher of activities and students are process the continue study, and knowing the studens concept of comphrehension improvement after had applicated of study models IBSE (Structured) Inquiry Based Science Education to kind of structures to improviated student concept comphrehension on the fluids dinamic of major material. This reaserch method used are metods of pre experiment (Pre experiment) by designed to study of one group pretest-posttest design. This location study is in SMAN 1 Tirtajaya Karawang. Technique of Sampling to purposive sampling and taking over of sampling this study are XI IPA 2 to equals 40. This result get are the kinds percentase of avarages to acitivies to the teachers 92,3% its the best, avarage percentase of doing activities to students 86,3% its the best. Based on N-Gain value is total 0,89 categorized of "High". The result of hipotesis gets t_{hitung} 48 by the false of rank 1% can get t_{tabel} are 2,4298. The sugestion, a concept of comphrehension to students grade XI IPA 2 SMAN 1 Tirtajaya improviated to signifikanly after had applied of study model IBSE (Structured) Inquiry Based Science Education to kind of structures to improviated student concept comphrehension on the fluids dinamic of major material.

Keywords: *IBSE (Structured), Inquiry Based Science Education, Concept Comphrehension.*

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