

ABSTRAK

PENGEMBANGAN MODUL PEMBELAJARAN FISIKA MATERI SUHU DAN KALOR BERBASIS INKUIRI TERBIMBING UNTUK KELAS X SMA

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Tujuan penelitian dan pengembangan ini adalah: (1) mengetahui karakteristik modul Fisika berbasis inkuiri terbimbing pada materi suhu dan kalor; (2) menguji kelayakan modul Fisika berbasis inkuiri terbimbing pada materi suhu dan kalor. Desain penelitian ini adalah pengembangan ADDIE dikembangkan oleh Dick and Carry (1996), yang meliputi: *Analyze* (Analisis), *Design* (Desain), *Develop* (Pengembangan), *Implement* (Penerapan), dan *Evaluate* (Evaluasi). Instrumen penelitian menggunakan lembar angket kelayakan. Analisis data dilakukan dengan uji kelayakan oleh pakar pembelajaran. Berdasarkan analisis data, hasil penelitian menunjukkan: (1) produk modul Fisika berbasis inkuiri terbimbing dikembangkan berdasarkan aktivitas inkuiri terbimbing, berdasarkan penilaian dari pakar pembelajaran karakteristik modul inkuiri terbimbing berkategori “sangat layak” dengan persen kelayakan sebesar 92,6 % ; (2) kelayakan modul Fisika berbasis inkuiri terbimbing pada materi suhu dan kalor berdasarkan penilaian dari pakar pembelajaran berkategori “sangat layak” dengan persen kelayakan sebesar 91,6 %.

Kata Kunci : Modul Fisika Berbasis Inkuiri Terbimbing, Suhu dan Kalor, Validitas

ABSTRAK

THE DEVELOPMENT OF LEARNING MODULE BASED GUIDED INQUIRY ON THE MATERIAL OF *SUHU DAN KALOR* (TEMPERATURE AND HEAT) FOR CLASS X SMA

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The objectives and the development of this research are: (1) knowing the characteristics of the physics module based guide inquiry on the material of *suhu dan kalor* (temperature and heat); (2) testing the feasibility of the Physics module based on guided inquiry at the material of *suhu dan kalor* (temperature and heat). The design of this research is ADDIE development which is developed by Dick and Carry (1996), which includes: *Analyze* (Analysis), *Design* (Design), *Develop* (Development), *Implement* (Application), and *Evaluate* (Evaluation). The research instrument uses a feasibility questionnaire sheet. Data analysis was carried out by means of a feasibility test by the learning experts. Based on the data analysis, the results showed: (1) Physics module products based on the guided inquiry were developed based on guided inquiry activities, based on the assessment of the instructional experts on the characteristics of guided inquiry modules in the “very feasible” category with a percentage of eligibility of 91,6%; (2) the feasibility of the Physics module based guide inquiry on the material of *suhu dan kalor* (temperature and heat), it is based on the assessment of learning experts in the category of “very feasible” with the percentage of feasibility of 92,6%.

Keywords: Physics Module Based On Guided Inquiry, Temperature and Heat, Validity