

**PENGEMBANGAN MODUL DENGAN MODEL INKUIRI UNTUK
MENUMBUHKAN KETERAMPILAN PROSES SAINS SISWA
PADA MATERI KALOR KELAS X SMA**

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Penelitian ini bertujuan untuk mengembangkan modul dengan model inkuiri untuk menumbuhkan Keterampilan Proses Sains siswa pada materi kalor. Data diperoleh melalui proses pengembangan modul berbasis inkuiri dan hasil angket respon siswa. Validasi isi modul dilakukan oleh dua orang dosen ahli dan lima orang guru fisika dan uji coba modul dilakukan terhadap 36 siswa kelas X MIA 2 di SMAN 10 Bandar Lampung. Berdasarkan data hasil uji coba dari angket respon siswa diperoleh persentase rata-rata tiap aspek komponen, yaitu komponen karakteristik modul sebesar 80,1%, komponen elemen mutu modul sebesar 77,2%, komponen pembelajaran inkuiri sebesar 75,9%, komponen konsistensi sebesar 75,5% dan komponen kebahasaan sebesar 74,2%. Secara keseluruhan, persentase rata-rata modul sebesar 76,6% dengan kriteria baik.

Kata kunci: Modul dengan Model Inkuiri dan Keterampilan Proses Sains.

**MODULE DEVELOPMENT THROUGH INQUIRY MODEL TO BUILD
THE STUDENT'S SCIENCE PROCESS SKILL ON THE TOPIC OF
HEAT FOR SENIOR HIGH SCHOOL GRADE X**

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The purpose of this research is to develop the module through the Inquiry model to build the student's science process skills on the topics of heat. The data were collected through the process of developing guided inquiry-based module and the result of student's response questionnaires. The content validity was conducted by two experts and five physics teachers. The module try out was conducted on 36 student's of senior high school grade X SMA N 10 Bandar Lampung. Based on the try out result of student's questionnaires it was found the average percentage from each component, that is, the characteristic component of module was 80,12%, the quality element component of module was 77, 24%, the inquiry learning component was 75,9%, the consistency component was 75,5% and the linguistic component was 74,2%. Overall, the average percentage of module was 76,6%, which means good criteria.

Keywords: Module, Inquiry Model, and Skill of Student's Science Process