

ABSTRAK

Kharisma Doli Sitinjak, NIM 4193341015 (2019). Pengembangan Modul Berbasis Case Based Learning Materi Sistem Pertahanan Tubuh Untuk Siswa SMA Kelas XI IPA.

Abstrak: Penelitian ini bertujuan untuk mengembangkan modul berbasis *case based learning* materi sistem pertahanan tubuh, mengetahui tingkat kelayakan, serta mengetahui pengaruh modul terhadap kemampuan berpikir kritis. Metode penelitian yang digunakan adalah metode *research and development* (R&D) dengan model 4D (*Define, Design, Development, dan Disseminate*). Objek penelitian ini adalah modul berbasis *case based learning* materi sistem pertahanan tubuh. Pengumpulan data dilakukan dengan menyebarkan lembar penilaian produk ke ahli materi, Ahli pembelajaran dan ahli desain. Hasil penelitian yang diperoleh, yaitu tingkat kelayakan modul berdasarkan penilaian ahli materi mendapat kriteria “Sangat Layak”, penilaian ahli pembelajaran mendapat kriteria Sangat Layak”, penilaian ahli desain mendapat kriteria “Sangat Layak”. Respon guru terhadap modul bersifat positif dengan kriteria “Sangat Layak”. (Hasil uji *N-gain* kemampuan berpikir kritis kelas eksperimen menunjukkan *N-gain skor* sebesar 91,25 (Tinggi) sedangkan kelas kontrol sebesar 59,22 (Sedang). Berdasarkan hasil penelitian dapat disimpulkan bahwa modul berbasis *case based learning* materi sistem pertahanan tubuh sudah valid, respon penggunaan positif guru dan siswa. efektif terhadap peningkatan kemampuan berpikir kritis.

Kata Kunci: Pengembangan, Modul, *Case Based Learning*.

Kharisma Doli Sitinjak, NIM 4193341015 (2019). Developing a Case Based Learning Module on Body Defense System Material for Class XI Science HighSchool Students.

Abstract: This research aims to develop a case-based learning module based on body defense system material, determine the level of feasibility, and determine the influence of the module on critical thinking abilities. The research method used is the research and development (R&D) method with a 4D model (Define, Design, Development and Disseminate). The object of this research is a case based learning module on body defense system material. Data collection is carried out by distributing product assessment sheets to material experts, learning experts and design experts. The research results obtained are that the level of feasibility of the module based on the material expert's assessment received the "Very Feasible" criteria, the learning expert's assessment received the Very Feasible criteria, the design expert's assessment received the "Very Feasible" criteria. The teacher's response to the module was positive with the criteria "Very Appropriate". (The results of the N-gain test for critical thinking ability in the experimental class showed an N-gain skor of 91.25 (High) while the control class was 59.22 (Medium). Based on the research results, it can be concluded that the case-based learning module on the body's defense system material has been completed. valid, positive response from teachers and students. Effective in improving critical thinking skills.

Keywords : Development, Module, *Case Based Learning*