

ABSTRAK

ANITA JULITA. Pengembangan Buku Saku Biologi Berbasis *Mind Map* (Biomap) sebagai Sumber Belajar Mandiri bagi Siswa SMA Kelas X. Di bawah bimbingan ADE SURYANDA, EKA PUTRI AZRAI.

Penggunaan sumber belajar pendukung pada proses pembelajaran berperan penting untuk menghindari kesan monoton dan pembatasan siswa dalam menggali informasi dari sumber lain. Berdasarkan hal tersebut penelitian ini bertujuan menghasilkan sumber belajar komplementer berupa buku saku Biomap yaitu akronim dari 'BIologi berbasis *Mind mAP*' pada materi biologi kelas X SMA semester genap. Metode penelitian yang digunakan yaitu *Research and Development* (R&D) yang mengacu pada model pengembangan ADDIE (*Analysis, Design, Develop, Implement, Evaluate*) dengan tahapan; (1) analisis kebutuhan, (2) desain konten buku, (3) pengembangan draft buku, (4) uji validasi oleh ahli dan uji coba kepada guru serta siswa, (5) evaluasi dan revisi buku. Hasil uji kelayakan oleh ahli bahasa memperoleh skor rerata 87,5%, ahli media sebesar 86,1%, ahli materi sebesar 87,55%, uji coba kepada guru sebesar 82,5%, peserta didik kelompok kecil sebesar 86,17% dan kelompok besar sebesar 89%. Rerata skor secara keseluruhan sebesar 86,47%. Berdasarkan interpretasi skor, produk yang dikembangkan memperoleh kategori sangat layak. Buku saku Biomap diaplikasikan pada 28 siswa dengan mengambil nilai pretest dan post-test. Uji efektivitas dengan gain ternormalisasi sebesar 0,41 menunjukkan bahwa hasil belajar menggunakan buku Biomap memperoleh peningkatan sedang. Dapat disimpulkan buku saku biologi berbasis *mind map* efektif dan sangat layak digunakan sebagai sumber belajar pendukung.

Kata Kunci. *Biomap, buku saku, mind map*

ABSTRACT

ANITA JULITA. Development of Biology Pocketbook Based on Mind Map (Biomap) as Independent Learning Resources for Students Senior High School Grade X. Under supervised by ADE SURYANDA, EKA PUTRI AZRAI.

The use of supporting learning resources in the learning process plays an important role in avoiding the impression of monotonous and limitation of students in extracting information from other sources. Based on this matter, this study aims to produce complementary learning resources in the form of a Biomap pocketbook is an acronym by 'BIology based on Mind mAP' in even semester biology class X high school material. The research method used is Research and Development (R & D) which refers to the ADDIE development model (Analysis, Design, Develop, Implement, Evaluate) with stages; (1) needs analysis, (2) design of book content, (3) development of draft books, (4) expert validation tests and trials for teachers and students, (5) book evaluation and revision. The results of the feasibility test by linguists obtained an average score of 87.5%, media experts amounted to 86.1%, material experts amounted to 87.55%, trials to teachers amounted to 82.5%, small group students amounted to 86.17% and the large group of 89%. The overall score is 86,47%. Based on the interpretation of scores, the products developed obtained a very decent category. The Biomap pocketbook was applied to 28 students by taking the pretest and posttest scores. The effectiveness test with a normalized gain of 0.41 indicates that the learning outcomes using Biomap pocketbook have a moderate increase. It can be concluded that a biology pocket book based on mind map is effective and worthy of being used as a supporting learning resource.

Keywords: *Biomap, mind map, pocketbook*