

ABSTRAK**PENGEMBANGAN MEDIA BUKU *PUZZLE* BERBANTUAN *WEB LOG* (*BLOG*) PADA MATERI STRUKTUR TUBUH TUMBUHAN UNTUK SMP KELAS VIII**

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Bangku pendidikan di abad-21 saat ini telah ditempati oleh peserta didik generasi *digitally native*, sehingga metode instruksi langsung menjadi kurang relevan lagi. Hasil survey kebutuhan dari 5 orang guru IPA SMP di Daerah Istimewa Yogyakarta, menunjukkan adanya kebutuhan media pada materi Struktur Tubuh Tumbuhan untuk kelas VIII. Dalam kegiatan belajar mengajar belum ada media pembelajaran yang menarik, praktis, melibatkan peserta didik secara langsung serta mendukung pembelajaran abad ke-21. Materi Struktur Tubuh Tumbuhan memerlukan banyak gambar dan corak warna. Sehingga, salah satu media pembelajaran yang tepat adalah media *puzzle* yang dihubungkan dengan situs *web log* (*blog*).

Jenis penelitian dalam penelitian ini adalah *Research and Development (RnD)*. Langkah-langkah dalam penelitian ini yaitu : yaitu (1) potensi masalah, (2) studi literatur dan pengumpulan informasi, (3) rancangan produk, (4) validasi desain produk, (5) revisi desain produk, (6) pembuatan produk. Produk yang dihasilkan berupa media kumpulan *puzzle* yang dibukukan dan terhubung dengan *web blog* di internet. Penelitian ini bertujuan untuk mengembangkan media pembelajaran, mendeskripsikan dan menilai kualitas serta kelayakan produk media pembelajaran pada materi Struktur Tubuh Tumbuhan untuk SMP kelas VIII.

Hasil penelitian menunjukkan bahwa nilai rerata skor validasi yang diperoleh berdasarkan penilaian empat orang ahli antara lain: penilaian dosen N sebesar 4,88, penilaian dosen D sebesar 4,94, penilaian guru T sebesar 5 dan penilaian guru S sebesar 4,94. Dengan demikian hasil rerata kualitas media pembelajaran secara keseluruhan tergolong dalam kategori sangat baik.

Kata kunci : Pembelajaran abad-21, Struktur Tubuh Tumbuhan, *Research and Development*, media pembelajaran, *puzzle*, *web log*.

ABSTRACT

THE MEDIA DEVELOPMENT PUZZLE BOOK ASSISTED WITH A WEB LOG (BLOG) ON THE BODY PLANTS STRUCTURE MATERIAL FOR EIGHTH GRADE

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The education in the 21st century is currently occupied by students of the digitally native generation, so the direct instruction method is less relevant for learning. According to the result of survey needs from 5 middle school science teachers in Yogyakarta, in learning the activities of plant structure materials for eighth grade, there is no learning media yet that is interesting, practical, involving students directly and supporting the 21st century study. The study material of plant structure needs a lot of picture and color, so that one of the proper learning media is through puzzle which is related with web log site (blog).

The type of research used for this research is Research and Development (RnD). The steps are (1) potential problems, (2) study of literature and information gathering, (3) product design, (4) the validation of product design, (5) revision of product design, (6) process of making the product . The products produced are a collection of puzzles which are recorded and connected to web blog on the internet. The aims of this research are to develop learning media, to describe and asses the quality of the learning media product in the material of plant structure for eighth graders.

The result showed that the average score of validation scores which is obtained based on the valuation of four experts are: lecture N's validation with the amount of 4,88, lecture D's validation with 4,94, teacher T's validation with 5 and teacher S's validation with 4,94. Therefore, the average results of the quality of learning media is in the excellent category.

Keyword: 21st century learning, body plant structure, research and development, learning media, puzzle, web log.