

ABSTRAK

Desi Widiya Astuti: Pengembangan Media Pembelajaran Berbasis *Podcast* Biologi (*Bee O Podcast*) Pada Materi Perubahan Lingkungan.

Digitalisasi media pembelajaran abad 21 yang tak mengenal jarak, waktu, ruang, dapat diakses di mana pun dan kapan pun, berkembang pesat memperjelas konsep pendidikan sepanjang hayat (*lifelong learning*). Akibatnya kualitas pendidikan meningkat, pembelajaran menjadi efektif, menarik, juga inovatif. Penelitian ini bertujuan untuk mengembangkan produk dan mengetahui respons peserta didik terhadap media pembelajaran *podcast* biologi (*Bee O Podcast*) pada materi perubahan lingkungan. Pengembangan *podcast* biologi menggunakan metode penelitian *Research and Development (RnD)* model 4D dari Thiagarajan disederhanakan menjadi 3D (*Define, Design, dan Develope*). Tahapan *define* yaitu studi pendahuluan pembelajaran biologi melalui wawancara guru, analisis karakteristik peserta didik melalui angket survei, dan analisis tugas-konsep-tujuan pembelajaran materi perubahan lingkungan di kelas X MIPA. Tahapan *design* yaitu penyusunan instrumen penelitian, pemilihan format media, dan perancangan media sesuai analisis tahap sebelumnya. Tahap *develop*, media divalidasi ahli dan diuji coba terbatas kepada 15 orang peserta didik. Hasil validitas *podcast* biologi dari ahli materi 87,50% (sangat valid), ahli media 76,36% (valid) dan guru biologi 84,21% (sangat valid). Nilai validitas rata-rata *podcast* biologi 82,69% (sangat valid) dan respons peserta didik terhadap *podcast* biologi 82,25% (sangat layak). Hal tersebut menunjukkan bahwa produk media *podcast* biologi (*Bee O Podcast*) layak digunakan dalam proses pembelajaran materi perubahan lingkungan khususnya materi pencemaran lingkungan.

Kata Kunci: *Bee O Podcast*, Perubahan Lingkungan, *Podcast* Biologi, *Research and Development*, Validasi Media Pembelajaran Biologi.

ABSTRACT

Desi Widiya Astuti: *Development of Learning Media Based on Biology Podcast (Bee O Podcast) in Environmental Change Material.*

The digitalization of 21st century learning media doesn't recognize distance, time, space, can be accessed anywhere, any time, growing rapidly to clarify concept long life learning. As a result, quality of education increases, learning becomes effective, interesting, and innovative. This research aims to develop products and determine students' responses to biology podcast learning media (Bee O Podcast) on environmental change material. Biology podcast development uses Research and Development (RnD) research method, Thiagarajan's 4D model simplified to 3D (Define, Design and Develop). The define stage is preliminary study biology learning through teacher interviews, analysis student characteristics through survey questionnaires, and analysis task-concept-learning objectives of environmental change material in class X MIPA. The design stage is preparation research instruments, selection formats and media design according to the analysis of previous stages. In develop stage, media validated by experts and tested limited to 15 students. Results validity biology podcast from material experts 87.50% (very valid), media experts 76.36% (valid) and biology teachers 84.21% (very valid). The average validity biology podcast 82.69% (very valid) and students' response to the biology podcast 82.25% (very feasible). This shows that biology podcast (Bee O Podcast) is feasible to use in learning process of environmental change material.

Keywords: Learning Media, Research and Development, Biology Podcast, Environmental Change, Media Validation.