

ABSTRAK

KAJIAN KOLOID PADA PROSES PEMBUATAN *EDIBLE FILM* PULP KAKAO (*Theobroma cacao* L) SEBAGAI MODULELEKTRONIK PEMBELAJARAN BERBASIS LITERASI SAINS

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Situasi Covid-19 mengharuskan pengajar memiliki bahan ajar yang inovatif guna pembelajaran menggunakan teknologi/dalam jaringan (daring) tetap terjamin. Modul pembelajaran elektronik audio visual berbasis literasi sains didesain untuk mendukung pembelajaran daring. Penelitian ini bertujuan untuk menghasilkan modul pembelajaran elektronik audio visual berbasis literasi sains yang merupakan kajian materi koloid di SMA Kelas XI kurikulum 2013 pada proses pembuatan *edible film* pulp kakao. Metode penelitian yang digunakan adalah deskriptif dengan pendekatan kuantitatif. Instrumen penelitian menggunakan lembar validasi ahli yang terdiri dari ahli materi dan media. Analisis data menggunakan statistika deskriptif. Berdasarkan analisis data, hasil penelitian menunjukkan bahwa hasil rata-rata persentase produk modul pembelajaran elektronik audio visual dinyatakan “sangat layak” dengan persen kelayakan sebesar 84,7%. Masing-masing aspek materi 84,8% dengan kategori sangat layak dan aspek media 84,6% dengan kategori sangat layak.

Kata Kunci : Modul Elektronik Literasi sains, Koloid, *Edible film*, Uji Kelayakan

ABSTRACT

COLLOID STUDY ON THE PROCESS OF MAKING *EDIBLE FILM* OF COCOA PULP (*Theobroma cacao* L) AS ELECTRONIC LEARNING MODULE BASED ON SCIENCE LITERACY

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The Covid-19 situation requires teachers to have innovative teaching materials for learning using technology/in networks (online) in order to remain guaranteed. A scientific literacy-based audio-visual electronic learning module is designed to support online learning. This study aims to produce an audio-visual electronic learning module based on scientific literacy, which is a study of colloid material in class XI SMA (Senior High School) curriculum 2013 in the process of making *edible film* of cocoa pulp. The method used in this research is Descriptive with quantitative approach. The research instrument used an expert validation sheet which consists of material and media experts. Data analysis used descriptive statistics. Based on the data analysis, the results showed that the average percentage of the product of the audio visual electronic learning module is declared "very feasible" with the percentage of eligibility of 84.7%. Each material aspect is 84.8% with very feasible category and 84.6% media aspect with very feasible category.

Keywords: Electronic Module of Science Literacy, Colloid, *Edible film*, Feasibility Test

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