

**PENGEMBANGAN BAHAN AJAR DIGITAL BERMUATAN PANGAN
LOKAL BETAWI DALAM MENUMBUHKAN *ECOLITERACY*
PESERTA DIDIK SEKOLAH DASAR**

DISERTASI

*Diajukan untuk memenuhi sebagian syarat memperoleh gelar Doktor
Pendidikan Dasar*



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**PROGRAM STUDI PENDIDIKAN DASAR
SEKOLAH PASCASARJANA
UNIVERSITAS PENDIDIKAN INDONESIA
2023**

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PESERTA DIDIK SEKOLAH DASAR**

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Universitas Pendidikan Indonesia

2022

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**PENGEMBANGAN BAHAN AJAR DIGITAL BERMUATAN PANGAN LOKAL BETAWI
DALAM MENUMBUHKAN *ECOLITERACY* PESERTA DIDIK SEKOLAH DASAR**

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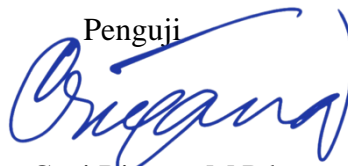
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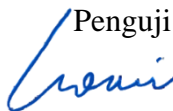
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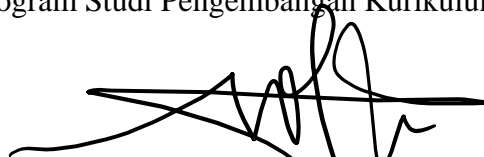
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ABSTRAK

Pengembangan Bahan Ajar Digital Bermuatan Pangan Lokal Betawi dalam Menumbuhkan *Ecoliteracy* Peserta Didik Sekolah Dasar

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Penelitian ini dilatarbelakangi oleh kebutuhan pembangunan berkelanjutan yang tujuannya adalah untuk mewujudkan kegiatan konsumsi yang bertanggung jawab, menjamin kehidupan yang sehat, dan meningkatkan kesejahteraan masyarakat untuk semua usia. Dalam konteks peserta didik sekolah dasar, konsumsi bertanggung jawab adalah melakukan praktik konsumsi berkelanjutan agar menjadi individu yang sehat, memiliki gizi yang cukup, terhindar dari berbagai masalah kesehatan dan keracunan pangan, serta ikut berperan serta dalam mengurangi permasalahan lingkungan. Namun, permasalahan yang saat ini terjadi pada peserta didik sekolah dasar di Jakarta agaknya bertolak belakang dari harapan. Banyak di antara peserta didik yang tidak mampu membedakan antara makanan sehat dan tidak sehat dan lebih memilih mengonsumsi makanan instan daripada makanan sehat lokal. Oleh sebab itu, perlu upaya untuk menumbuhkan *ecoliteracy* peserta didik agar memiliki kesadaran dalam mengonsumsi pangan sehat lokal yang lebih aman bagi kesehatan dan lingkungan. Salah satu cara untuk menumbuhkan *ecoliteracy* peserta didik adalah dengan mengenalkan pangan lokal melalui bahan ajar digital. Bahan ajar digital sangat sesuai dengan karakteristik peserta didik di era teknologi informasi saat ini.

Tujuan penelitian ini adalah untuk mengembangkan bahan ajar digital bermuatan pangan lokal Betawi dalam menumbuhkan *ecoliteracy* peserta didik sekolah dasar. Metode penelitian yang digunakan berupa *Research and Development* dengan melibatkan 162 peserta didik dan 6 guru dari enam sekolah yang berbeda di Jakarta Timur. Dari penelitian ini dihasilkan bahan ajar digital yang sudah teruji secara empiris dalam menumbuhkan *ecoliteracy* peserta didik sekolah dasar. Pengumpulan data dilakukan dengan kuesioner, wawancara, observasi, tes dan dokumentasi. Data yang didapatkan kemudian dianalisis menggunakan *Explanatory Sequential Mixed Method*, yaitu metode analisis data yang menggunakan analisis data kuantitatif dan kualitatif yang dilakukan secara terpisah. Hasil penelitian menunjukkan bahwa produk bahan ajar digital yang dikembangkan dapat diimplementasikan dalam kegiatan pembelajaran dan efektif dalam menumbuhkan *ecoliteracy* peserta didik pada aspek pengetahuan, sikap, dan keterampilan. Berdasarkan hasil tersebut, sekolah perlu mengintegrasikan bahan ajar digital bermuatan pangan lokal Betawi ke dalam kegiatan pembelajaran. Selain itu, untuk sekolah di luar kawasan Betawi, perlu dikembangkan bahan ajar digital bermuatan pangan lokal sesuai daerah masing-masing daerah agar peningkatan *ecoliteracy* dapat dilakukan lebih luas.

Kata Kunci: Bahan ajar digital, multimedia interaktif, pangan lokal Betawi, *ecoliteracy*, pendidikan sekolah dasar

ABSTRACT

Development of Digital Teaching Materials Containing Betawi Local Food in Fostering Ecoliteracy of Elementary School Students

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This research is motivated by the need for sustainable development whose goal is to realize responsible consumption activities, ensure a healthy life, and improve people's welfare for all ages. In the context of elementary school students, responsible consumption is practicing sustainable consumption in order to become healthy individuals, have adequate nutrition, avoid various health problems and food poisoning, and participate in reducing environmental problems. However, the problems that are currently happening to elementary school students in Jakarta seem to be the opposite of expectations. Many students were unable to distinguish between healthy and unhealthy foods and preferred to eat instant food rather than local healthy food. Therefore, efforts are needed to foster ecoliteracy in students so that they have awareness in consuming local healthy food that is safer for health and the environment. One way to foster student ecoliteracy is by introducing local food through digital teaching materials. Digital teaching materials are suitable for the characteristics of students in the current information technology era.

The purpose of this research is to develop digital teaching materials containing Betawi local food in fostering ecoliteracy of elementary school students. The research method used was Research and Development involving 162 students and 6 teachers from six different schools in East Jakarta. From this research, digital teaching materials have been developed and tested empirically in fostering ecoliteracy in elementary school students. Data collection was carried out by questionnaires, interviews, observations, tests, and documentation. The data obtained were analyzed using the Explanatory Sequential Mixed Method, which is a data analysis method that uses quantitative and qualitative data analysis carried out separately. The results of the study show that the developed digital teaching materials can be implemented in learning activities and are effective in increasing student ecoliteracy in the aspects of knowledge, attitudes, and skills. Based on these results, schools need to integrate digital teaching materials containing Betawi local food into learning activities. In addition, for schools outside of Betawi area, it is necessary to develop digital teaching materials containing local food in accordance with each region so that fostering students' ecoliteracy can be carried out more broadly.

Keywords: Betawi local food, digital teaching material, ecoliteracy, elementary school education, interactive multimedia

PERNYATAAN KEASLIAN DISERTASI

Saya yang bertanda tangan di bawah ini:

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Program Studi : Pendidikan Dasar

Dengan ini menyatakan bahwa disertasi dengan judul “Pengembangan Bahan Ajar Digital Bermuatan Pangan Lokal Betawi dalam Menumbuhkan *Ecoliteracy* Peserta Didik Sekolah Dasar” ini beserta seluruh isinya adalah benar-benar karya saya sendiri. Saya tidak melakukan penjiplakan atau pengutipan dengan cara-cara yang tidak sesuai dengan etika ilmu yang berlaku dalam masyarakat keilmuan. Atas pernyataan ini, saya siap menanggung risiko atau sanksi apabila di kemudian hari ditemukan adanya pelanggaran etika keilmuan atau ada klaim dari pihak lain terhadap keaslian karya saya ini.

Bandung, Januari 2023

A handwritten signature in black ink is written over a yellow and red 3000 Rupiah stamp. The stamp features the Garuda Pancasila emblem and the text 'REPUBLIK INDONESIA', '3000', 'METERAI TEMPEL', and the serial number 'EAD88AJX373217779'.

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Puji syukur penulis ucapkan ke hadirat Allah Yang Maha Tinggi, atas berkat dan ridha-Nya penulis dapat menyelesaikan disertasi ini. Salawat dan salam semoga selalu tercurah kepada Nabi Muhammad SAW, keluarga, sahabat, dan pengikut beliau hingga akhir zaman. Atas karunia Allah SWT disertasi dengan judul “Pengembangan Bahan Ajar Digital Bermuatan Pangan Lokal Betawi dalam Menumbuhkan *Ecoliteracy* peserta didik Sekolah Dasar” dapat diselesaikan pada waktu yang tepat.

Pada disertasi ini penulis memilih topik *ecoliteracy*, yaitu kemampuan seseorang dalam memahami dan menyadari bahwa setiap perilakunya dapat berdampak buruk bagi lingkungan. Terkait dengan konsumsi makanan, peserta didik yang memiliki *ecoliteracy* akan memahami dan menyadari bahwa makanan yang dikonsumsinya tidak hanya sehat untuk kepentingan dirinya tetapi juga berkontribusi dalam melindungi lingkungan. Penulis mengembangkan produk bahan ajar digital yang bertujuan untuk menumbuhkan *ecoliteracy* peserta didik sekolah dasar di Jakarta melalui pemanfaatan pangan lokal Betawi. Produk bahan ajar digital yang diberi nama Akademi EcoFood ini memuat materi tentang makanan sehat, makanan instan, makanan sehat lokal Betawi, dan menjelaskan perbedaan antara makanan lokal sehat dengan makanan instan. Pada aplikasi ini juga terdapat *quiz*, uji pemahaman, serta glosarium untuk memudahkan peserta didik mengenal istilah-istilah sulit pada materi ajar. Setelah diintegrasikan ke dalam kegiatan pembelajaran, produk bahan ajar digital bermuatan pangan lokal Betawi efektif dalam menumbuhkan *ecoliteracy* peserta didik pada aspek pengetahuan, sikap, dan keterampilan.

Selanjutnya, disertasi ini diharapkan dapat menambah wawasan dan pengetahuan terkait pengembangan bahan ajar digital dengan memanfaatkan pangan lokal yang ada di lingkungan sekitar dalam menumbuhkan *ecoliteracy* peserta didik sekolah dasar.

Bandung, Januari 2023

Niken Vioreza

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