ABSTRAK

Shintya Nurfaadillah, 1222080097, (2026): Pembuatan Majalah Elektronik *BiteWise* Zat Aditif Pengawet Makanan Berorientasi Literasi Nutrisi

Penelitian ini dilatarbelakangi oleh kebutuhan media pembelajaran digital pada materi zat aditif pengawet makanan yang dapat mengintegrasikan literasi nutrisi. Penelitian ini bertujuan untuk mendeskripsikan tampilan Majalah Elektronik *BiteWise* zat aditif pengawet makanan berorientasi literasi nutrisi, menganalisis hasil validasi, serta menganalisis hasil uji kelayakannya. Penelitian ini menggunakan metode *Design-Based Research* (DBR) yang meliputi tahap *Analysis and Exploration, Design and Construction,* serta *Evaluation and Reflection*. Instrumen yang digunakan berupa analisis kebutuhan, analisis konsep, peta konsep, *flowchart*, *storyboard*, serta angket analisis kebutuhan, angket uji validasi, dan angket uji kelayakan. Hasil uji validasi diperoleh rata-rata nilai r_{hitung} sebesar 0,96 dari seluruh aspek yang divalidasi, yaitu aspek materi, bahasa, tampilan, dan kemudahan, dengan interpretasi tingkat validitas sangat tinggi. Hasil uji kelayakan diperoleh persentase sebesar 96,91% dari seluruh aspek yang diuji, yaitu aspek materi, bahasa, tampilan, dan kemudahan, dengan interpretasi sangat layak. Dengan demikian, Majalah Elektronik *BiteWise* zat aditif pengawet makanan berorientasi literasi nutrisi dinyatakan valid dan sangat layak digunakan sebagai media pembelajaran pada materi zat aditif pengawet makanan.

Kata kunci: Majalah Elektronik, Zat Aditif Pengawet Makanan, Literasi Nutrisi.

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ABSTRAK

Shintya Nurfaadillah, 1222080097, 2026: *Development of an Electronic Magazine BiteWise on Food Preservative Additives Oriented toward Nutrition Literacy*

Development of an Electronic Magazine on Food Preservative Additives Oriented toward Nutrition Literacy This research was motivated by the need for digital learning media on food preservative additives that can integrate nutrition literacy. This study aimed to describe the appearance of the BiteWise Electronic Magazine on food preservative additives oriented toward nutrition literacy, analyze the validation results, and analyze the feasibility results. The research employed the Design-Based Research (DBR) method, which consisted of three stages: Analysis and Exploration, Design and Construction, and Evaluation and Reflection. The instruments used included needs analysis, concept analysis, concept mapping, flowchart, storyboard, needs analysis questionnaire, validation questionnaire, and feasibility questionnaire. The validation results showed an average calculated r_{value} *of 0.96 across all validated aspects, namely material, language, appearance, and usability, with a very high level of validity. The feasibility test results showed a percentage of 96.91% across all assessed aspects, namely material, language, appearance, and usability, indicating that the product was highly feasible. Therefore, the BiteWise Electronic Magazine on food preservative additives oriented toward nutrition literacy was declared valid and highly feasible for use as a learning medium for food preservative additives.*

Keywords: *Electronic Magazine, Food Preservative Additives, Nutrition Literacy.*

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