

**PENGEMBANGAN BAHAN AJAR MULTIMEDIA BERBASIS *FLIPBOOK*
MATERI TEKNIK DASAR *VOLLEY* PADA MATA KULIAH TP.
PEMBELAJARAN TENIS**

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ABSTRAK

Riset ini diorientasikan untuk mengonstruksi materi instruksional multimedia beralaskan *flipbook* guna mengulas konsep fundamental pukulan *volley forehand* dan *backhand* pada mata kuliah TP. Pembelajaran Tenis. Pendekatan yang diterapkan dalam penelitian ini adalah riset pengembangan (*Research and Development*) berlandaskan formula ADDIE. Konstruksi penelitian ini ditopang oleh lima tahapan berurutan, dimulai dari analisis kebutuhan, perancangan, pengembangan produk, uji penerapan, hingga asesmen menyeluruh. Kelayakan produk dievaluasi melalui proses validasi oleh empat komponen evaluator, yakni pakar substansi materi, ahli media edukasi, spesialis rancangan pembelajaran, serta praktisi di lapangan. Selanjutnya, estimasi keterpakaian produk diujicobakan pada mahasiswa Program Studi Pendidikan Jasmani, Kesehatan, dan Rekreasi, Fakultas Olahraga dan Kesehatan, Universitas Pendidikan Ganesha. Fase uji coba ini dipecah menjadi tiga tahapan: uji pengetesan individual (3 responden), uji kelompok terbatas (7 responden), dan uji lapangan berskala luas (21 responden). Data dihimpun memanfaatkan instrumen kuesioner berskala likert, yang kemudian dibedah via teknik deskriptif kualitatif serta kuantitatif berbasis persentase. Penilaian terhadap bahan ajar multimedia berbasis *flipbook* untuk teknik dasar voli menorehkan kualifikasi superior di seluruh lini evaluasi. Verifikasi para pakar mengagregasikan persentase kelayakan sebesar 98% (materi), 93% (desain media), 97% (perancangan teknis), dan 98% (praktisi lapangan). Sementara itu, aplikasi langsung melalui uji coba personal, kelompok terbatas, serta kelompok luas masing-masing mengumpulkan skor 97%, 98%, dan 96%. Rentetan capaian kuantitatif tersebut mengukuhkan legitimasi produk ini sebagai instrumen pembelajaran tenis yang sah, efisien, dan representatif bagi mahasiswa di universitas.

Kata kunci: Bahan Ajar, *Flipbook*, Teknik Dasar *Volley*, Tenis, ADDIE.

**DEVELOPMENT OF FLIPBOOK-BASED MULTIMEDIA TEACHING
MATERIALS ON BASIC VOLLEYBALL TECHNIQUES FOR THE TENNIS
INSTRUCTION COURSE**

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ABSTRACT

This research aimed to develop flipbook-based multimedia instructional materials covering the fundamental concepts of forehand and backhand volleys for the Tennis course. The study employed a Research and Development (R&D) approach based on the ADDIE model. The research process comprised five sequential stages: needs analysis, design, product development, implementation testing, and comprehensive assessment. Product feasibility was evaluated through validation by four groups of experts: subject matter experts, educational media specialists, instructional design specialists, and field practitioners. Subsequently, the product's usability was tested with students from the Physical Education, Health, and Recreation Study Program at the Faculty of Sports and Health, Universitas Pendidikan Ganesha. This testing phase was divided into three stages: individual testing (3 respondents), small-group testing (7 respondents), and large-scale field testing (21 respondents). Data were collected using Likert-scale questionnaires and analyzed through qualitative descriptive techniques and quantitative percentage-based analysis. The evaluation of the flipbook-based multimedia teaching materials for basic volley techniques yielded superior ratings across all evaluation categories. Expert verification resulted in feasibility scores of 98% (content), 93% (media design), 97% (instructional design), and 98% (field practitioner assessment). Meanwhile, practical application through individual, small-group, and large-group trials yielded scores of 97%, 98%, and 96%, respectively. These quantitative results confirm the product's validity, efficiency, and suitability as a tennis learning tool for university students.

Keywords: *Teaching Materials, Flipbook, Basic Volleyball Techniques, Tennis, ADDIE.*