

# **PENGEMBANGAN *TRAINING KIT* PENGUAT AUDIO DASAR UNTUK MENINGKATKAN PEMAHAMAN PEMBELAJARAN SISTEM AUDIO**

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## **ABSTRAK**

Penelitian ini bertujuan untuk mengembangkan, mengetahui unjuk kerja, dan tingkat kelayakan *training kit* Sistem Audio sebagai media pembelajaran mata kuliah praktik Sistem Audio Jurusan Pendidikan Teknik Elektronika dan Informatika FT UNY.

Penelitian ini merupakan penelitian *Research and Development* (R&D) dengan 9 tahapan prosedur pengembangan yang meliputi: 1) Potensi dan masalah, 2) Pengumpulan data, 3) Desain produk, 4) Validasi desain, 5) Revisi desain, 6) Ujicoba produk, 7) Revisi produk, 8) Ujicoba pemakaian. Objek penelitian adalah media pembelajaran *Training kit Sistem Audio* sedangkan subjeknya merupakan mahasiswa prodi Pendidikan Teknik Elektronika Jurusan Pendidikan Teknik Elektronika dan Informatika FT UNY. Teknik pengumpulan data yang digunakan adalah observasi dan kuisisioner sedangkan untuk teknik analisis data menggunakan teknik analisis deskriptif kuantitatif.

Hasil penelitian menunjukkan bahwa 1) Media pembelajaran yang dikembangkan berupa *training kit* Sistem Audio dasar yang dilengkapi dengan *jobsheet*, 2) Unjuk kerja media pembelajaran *training kit* Sistem Audio berfungsi dengan baik dan stabil pada setiap bagian maupun secara keseluruhan. Hasil penilaian oleh ahli materi mendapat presentase 78% dengan kategori sangat layak dan penilaian oleh ahli media mendapat presentase 91,83% dengan kategori sangat layak. 3) Tingkat kelayakan media pembelajaran *training kit* Sistem Audio oleh 20 mahasiswa Jurusan Pendidikan Teknik Elektronika dan Informatika FT UNY memperoleh presentase sebesar 81,27% dengan kategori sangat layak untuk digunakan sebagai media pembelajaran mata kuliah praktik Sistem Audio Jurusan Pendidikan Teknik Elektronika dan Informatika Fakultas Teknik Universitas Negeri Yogyakarta.

Kata kunci: media pembelajaran, Sistem Audio, *training kit*

**DEVELOPMENT OF BASIC AUDIO AMPLIFIER TRAINING KITS  
TO IMPROVE THE LEARNING COMPREHENSION OF  
THE AUDIO SYSTEM**

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**ABSTRACT**

*This research is aimed to develop, find out the performance, and the level of feasibility of the Audio System training kit as a learning media for the practice of Audio Systems, Department of Electronics Engineering and Informatics Engineering, FT UNY.*

*This research metode is a Research and Development (R&D) metode with 9 stages of development procedures which include: 1) Potential and problems, 2) Data collection, 3) Product design, 4) Design validation, 5) Design revision, 6) Product testing, 7) Product revision, 8) Test usage. The object of the study was the Audio System Training kit learning media while the subject was a student of Electronic Engineering Education study program Department of Electronics and Informatics Engineering FT UNY. Data collection techniques used were observation and questionnaires while for data analysis techniques used quantitative descriptive analysis techniques.*

*The results showed that 1) The learning media developed were in the form of a basic Audio System training kit that was equipped with a jobsheet, 2) The performance of the Audio System training kit learning media functioned well and was stable in every part or as a whole. The results of the assessment by material experts got a percentage of 78% with a very decent category and an assessment by media experts got a percentage of 91.83% with a very decent category. 3) The feasibility level of the Audio System training kit learning media by 20 students of the Department of Electronics and Informatics Engineering FT UNY received a percentage of 81.27% with a very feasible category to be used as a learning media for the practice system of Audio System of the Department of Electronics Engineering and Informatics Engineering Faculty of Engineering Yogyakarta State University.*

*Keywords: learning media, Audio System, training kit*