

## **ABSTRAK**

### **PENGEMBANGAN MEDIA PEMBELAJARAN BERBASIS MULTIMEDIA PADA MATERI ALGORITMA DAN PEMROGRAMAN DI SMAN 1 WAY JEPARA**

**Oleh**

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Kurikulum 2013 di SMA menambah dan mengintegrasikan muatan informatika untuk mengembangkan kemampuan siswa pada era digital. Penggunaan *Google Sites* berbasis multimedia sebagai media pembelajaran materi Algoritma dan Pemrograman digunakan untuk alat bantu dalam proses pembelajaran sesuai kebutuhan siswa di SMAN 1 Way Jepara. Penelitian ini bertujuan untuk mengetahui validitas, efektifitas dan kepraktisan pada pengembangan media pembelajaran berbasis multimedia menggunakan *Google Sites* pada materi Algoritma dan Pemrograman di SMAN 1 Way Jepara. Desain penelitian yang digunakan adalah *Research and Development* (R&D) dengan subjek penelitian siswa kelas 10 IPA 1 dan 10 IPA 3 SMAN 1 Way Jepara. Prosedur pada penelitian ini menggunakan model *Analysis, Design, Development, Implementation, and Evaluation* (ADDIE). Metode lain yang digunakan dalam pengambilan data berupa wawancara, kuisioner, observasi lapangan serta dokumentasi kegiatan penelitian. Berdasarkan angket, hasil pada kelayakan media pembelajaran *Google Sites* menurut ahli isi dan ahli media dinyatakan valid dengan nilai rata-rata uji ahli isi 86% dan uji ahli media 84%. Hasil yang didapat dari *posttest* pada kelas kontrol dan kelas eksperimen sebagai penilaian efektifitas media pembelajaran mendapatkan skor pada kelas kontrol 71.17 dan pada kelas eksperimen sebesar 80,17. Penilaian yang didapat dari uji respon guru untuk uji kepraktisan mendapat rata-rata 91% dan uji respon siswa dengan rata-rata 84%.

**Kata Kunci:** *Google Sites*, Media Pembelajaran, Multimedia, Pengembangan.

## **ABSTRACT**

### **DEVELOPMENT OF MULTIMEDIA-BASED LEARNING MEDIA ON ALGORITHM AND PROGRAMMING AT SMAN 1 WAY JEPARA**

**By**

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The 2013 curriculum in high school adds and integrates informatics content to develop students' abilities in the digital era. The use of multimedia-based Google Sites as a learning medium for Algorithm and Programming material is used as a tool in the learning process according to the needs of students at SMAN 1 Way Jepara. This study aims to determine the validity, effectiveness and practicality of developing multimedia-based learning media using Google Sites on Algorithm and Programming material at SMAN 1 Way Jepara. The research design used was Research and Development (R&D) with research subjects in class 10 IPA 1 and 10 IPA 3 SMAN 1 Way Jepara. The procedure in this study uses the Analysis, Design, Development, Implementation, and Evaluation (ADDIE) model. Other methods used in data collection were interviews, questionnaires, field observations and documentation of research activities. Based on the questionnaire, the results on the feasibility of Google Sites learning media according to content experts and media experts were declared valid with an average score of 86% content expert test and 84% media expert test. The results obtained from the posttest in the control class and experimental class as an assessment of the effectiveness of learning media get a score in the control class of 71.17 and in the experimental class of 80.17. The assessment obtained from the teacher's response test for practicality tests received an average of 91% and student response tests with an average of 84%.

**Keywords:** Google Sites, Learning Media, Multimedia, Development.