

**PENGEMBANGAN KONTEN PEMBELAJARAN INTERAKTIF
BERBASIS *FLIPPED CLASSROOM* PADA MATA PELAJARAN
PEMELIHARAAN LISTRIK SEPEDA MOTOR KELAS XI SMK NEGERI
3 SINGARAJA**

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ABSTRAK

Penelitian ini bertujuan untuk menghasilkan produk konten pembelajaran interaktif, serta mengetahui respons pendidik dan peserta didik terhadap konten pembelajaran interaktif berbasis *flipped classroom* dengan bantuan *Articulate Storyline* pada mata pelajaran Pemeliharaan Listrik Sepeda Motor. Metode penelitian yang digunakan dalam penelitian ini adalah *Research and Development* (R&D) dengan menggunakan model pengembangan *Analyze, Design, Development, Implementation, Evaluation* (ADDIE). Penelitian ini dilakukan pada program keahlian teknik dan bisnis sepeda motor kelas XI dengan jumlah 32 orang peserta didik dan 1 orang guru pengampu mata pelajaran pemeliharaan listrik sepeda motor. Pengumpulan data dalam penelitian ini diperoleh dari angket validasi ahli, angket uji coba perorangan, angket uji coba kelompok kecil, angket uji coba lapangan, dan uji efektivitas. Hasil perhitungan dari penilaian uji ahli isi, media dan desain pembelajaran memperoleh hasil rata-rata sebesar 1,00. Apabila dikonversikan ke dalam tabel kriteria rata-rata uji ahli, maka diperoleh tingkat validitas “Sangat Tinggi”. Pada uji coba perorangan memperoleh persentase sebesar 86%, pada uji coba kelompok kecil memperoleh persentase sebesar 80,2%, dan pada uji coba lapangan memperoleh persentase sebesar 85%. Pada uji efektivitas dilakukan dengan memberikan *pretest* dan *posttest*, yang mana memperoleh hasil perhitungan *N-Gain* sebesar 0,819 dan termasuk dalam interpretasi “Efektif”. Pada uji respon peserta didik memperoleh hasil rata-rata yaitu sebesar 64,40, jika dikonversikan dalam tabel kualifikasi memperoleh kategori “Sangat Praktis”. Hasil uji respons guru memperoleh hasil rata-rata sebesar 43 dengan kategori “Sangat Praktis”. Sehingga dapat disimpulkan bahwa konten pembelajaran interaktif pada mata pelajaran pemeliharaan listrik sepeda motor ini valid, efektif dan praktis.

Kata Kunci : Konten Pembelajaran Interaktif, *Articulate Storyline*, *Flipped Classroom*, Pemeliharaan Listrik Sepeda Motor.

**DEVELOPMENT OF INTERACTIVE LEARNING CONTENT BASED
ON FLIPPED CLASSROOM IN CLASS XI MOTORCYCLE
ELECTRIC MAINTENANCE COURSE at SMK NEGERI 3
SINGARAJA**

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ABSTRACT

This study aims to produce interactive learning content products, as well as to determine the response of educators and students to interactive learning content based on flipped classrooms with the help of Articulate Storyline in the subject of Motorcycle Electrical Maintenance. The research method used in this study is Research and Development (R&D) using the Analyze, Design, Development, Implementation, Evaluation (ADDIE) development model. This research was conducted on the motorcycle engineering and business skills program class XI with a total of 32 students and 1 teacher in charge of motorcycle electrical maintenance subjects. Data collection in this study was obtained from expert validation questionnaires, individual trial questionnaires, small group trial questionnaires, field trial questionnaires, and effectiveness tests. The calculation results from the assessment of content, media and learning design experts obtained an average result of 1.00. If it is converted into a table of criteria for the average expert test, then the validity level is "Very High". In individual trials, the percentage is 86%, in small group trials, the percentage is 80.2%, and in field trials, the percentage is 85%. The effectiveness test was carried out by giving a pretest and posttest, which obtained an N-Gain calculation result of 0.819 and was included in the "Effective" interpretation. In the response test, students obtained an average result of 64.40, if converted in the qualification table, they obtained the "Very Practical" category. The results of the teacher response test obtained an average result of 43 in the "Very Practical" category. So it can be concluded that the interactive learning content on the subject of motorcycle electrical maintenance is valid, effective and practical.

Keywords: Interactive Learning Content, Articulate Storyline, Flipped Classroom, Motorcycle Electrical Maintenance.