

ABSTRAK

**KALVINUS GULO : PENGEMBANGAN MEDIA PEMBELAJARAN
MOBILE LEARNING BERBASIS *ANDROID* DENGAN *ISPRING SUITE*
PADA MATA PELAJARAN INSTALASI MOTOR LISTRIK KELAS XI
JURUSAN TEKNIK INSTALASI DI SMK NEGERI 1 PERCUT SEI TUAN**

Penelitian ini bertujuan untuk: (1) mengembangkan media pembelajaran *mobile learning* berbasis *android* dengan *ispring suite* (2) mengetahui kelayakan media pembelajaran *mobile learning* berbasis *android* dengan *ispring suite* (3) mengetahui keefektifan media pembelajaran *mobile learning* berbasis *android* dengan *ispring suite*

Penelitian ini merupakan jenis pengembangan. Tahap pengembangan yang dilakukan dalam mengembangkan produk pembelajaran *ispring suite* berbasis *android* pada mata pelajaran instalasi motor listrik yaitu menggunakan model ADDIE yang terdiri dari 5 tahap yaitu: (1) analisis (2) desain (3) pengembangan (4) implementasi (5) evaluasi. Penelitian ini dilakukan dikelas XI jurusan teknik instalasi di SMK Negeri 1 Percut Sei Tuan. Tahap pengujian kelayakan produk dilakukan oleh dua ahli yaitu ahli materi dan ahli media. Selain itu dilakukan pengujian respon pada pengguna yaitu siswa. Teknik analisis data menggunakan instrumen angket.

Hasil penelitian ini adalah hasil pengembangan media pembelajaran berupa aplikasi android media pembelajaran *mobile learning* berbasis android dengan *ispring suite*. Berdasarkan hasil validasi ahli secara keseluruhan, media *mobile learning* yang dikembangkan dinyatakan sangat layak digunakan dengan total perolehan persentase skor 82%, dan hasil responden pengguna dari 35 orang siswa SMK N 1Percut Sei Tuan.. Penilaian dilakukan dengan menggunakan angket respon siswa dari 7 aspek, yaitu aspek *mobile learning*, usability, tampilan, bahasa, cakupan materi, latihan dan evaluasi, dan kemanfaatan mendapat kategori sangat layak.

Kata Kunci : Media Pembelajaran, *mobile learning*, *ispring suite*

ABSTRACT

KALVINUS GULO: DEVELOPMENT OF ANDROID-BASED MOBILE LEARNING MEDIA WITH ISPRING SUITE IN THE SUBJECT OF ELECTRIC MOTOR INSTALLATION CLASS XI MAJORING IN INSTALLATION ENGINEERING AT SMK NEGERI 1 PERCUT SEI TUAN

This study aims to: (1) develop android-based mobile learning media with ispring suite (2) determine the feasibility of android-based mobile learning media with ispring suite (3) determine the effectiveness of android-based mobile learning media with ispring suite

This research is a type of development. The development stage carried out in developing an android-based ispring suite learning product in the subject of electric motor installation is using the ADDIE model which consists of 5 stages, namely: (1) analysis (2) design (3) development (4) implementation (5) evaluation. This research was conducted in class XI of the installation engineering department at SMK Negeri 1 Percut Sei Tuan. The product feasibility testing stage is carried out by two experts, namely material experts and media experts. In addition, response testing was carried out on users, namely students. The data analysis technique uses a questionnaire instrument.

The results of this research are the results of the development of learning media in the form of android applications, android-based mobile learning media with ispring suite. Based on the results of the overall expert validation, the mobile learning media developed was declared very feasible to use with a total score percentage of 82%, and the results of user respondents from 35 students of SMK N 1Percut Sei Tuan. The assessment was carried out using a student response questionnaire from 7 aspects, namely aspects of mobile learning, usability, appearance, language, material coverage, exercises and evaluations, and the usefulness received a very feasible category.

Keywords: Learning Media, mobile learning, ispring suite