

## ABSTRAK

Ibrahim. NIM. 8156122012. Pengembangan *E-Learning* Berbasis *Moodle* pada Mata Pelajaran Kebaharian Kelas IX SMKS Bahari Hang Tuah Belawan. **Tesis.** Program Studi Teknologi Pendidikan, Program Pascasarjana Universitas Negeri Medan.

Tujuan penelitian ini untuk mengetahui tentang: (1) mengetahui proses pengembangan *e-learning* berbasis *Moodle* pada mata pelajaran Kebaharian di kelas XI SMK Bahari Hang Tuah Belawan; (2) Mengembangkan Web *e-learning* berbasis moodle pada Mata pelajaran Kebaharian di kelas XI SMK Bahari Hang Tuah Belawan sebagai media pembelajaran; (3) Mengetahui efektivitas *e-learning* berbasis *moodle* pada mata pelajaran Kebaharian di XI SMK Bahari Hang Tuah Belawan dalam meningkatkan hasil belajar siswa di banding dengan media pembelajaran powerpoint. Penelitian ini dilakukan di SMKS Bahari Hang Tuah Belawan Tahun Pelajaran 2018/2019. Metode penelitian adalah model pengembangan Bord dan Gall dengan desain pembelajaran Model Dick dan Carey, meliputi: melakukan penelitian pendahuluan, pembuatan desain software, pengumpulan bahan, membuat dan memproduksi produk, uji lapangan produk, dan uji keefektifan produk. Subjek penelitian terdiri dari 40 siswa kelas XI. Untuk pengembangan produk menggunakan 2 orang ahli desain pembelajaran, 2 orang ahli materi, 2 orang ahli perangkat lunak, 3 orang siswa uji coba satu-satu, dan 9 orang siswa kelas kelompok kecil. Hasil penelitian diperoleh nilai  $t_{hitung} > t_{tabel}$  ( $6,07 > 1,99$ ) yang menyimpulkan  $H_0$  ditolak dan  $H_a$  diterima, sehingga dapat dinyatakan terdapat perbedaan yang signifikan dan berarti antara hasil belajar kebaharian siswa yang diajarkan dengan menggunakan *e-learning* berbasis Moodle dengan rata-rata hasil belajar Kebaharian siswa yang diajarkan dengan menggunakan media pembelajaran powerpoint dapat diterima dan teruji kebenarannya. Keefektifan *e-learning* berbasis *moodle* sebesar 90,25% dan keefektifan pembelajaran dengan *powerpoint* sebesar 79,5%. Dengan demikian nilai keefektifan *e-learning* berbasis *moodle* lebih tinggi dari nilai keefektifan pembelajaran dengan media pembelajaran powerpoint yaitu sebesar 10,75%. Hasil penelitian menyarankan guru untuk membuat dan menggunakan *e-learning* berbasis *moodle* untuk pembelajaran kebaharian sesuai tuntutan kurikulum.

**Keywords:** *E-learning* berbasis moodle, Mata pelajaran Kebaharian

## ABSTRACT

Ibrahim. NIM. 8156122012. Development of Moodle - based E-learning on Kebaharian subject in the eleventh grade students of SMKS Bahari Hang Tuah Belawan. **Thesis**. Educational Technology Study Program, Postgraduate Program, State University of Medan.

The purpose of this research is to know about: (1) knowing the process of Development of Moodle - based E-learning on Kebaharian subject in the eleventh grade students of SMKS Bahari Hang Tuah Belawan; (2) Development Moodle - based E-learning on Kebaharian subject in the eleventh grade students of SMKS Bahari Hang Tuah Belawan as a learning media; (3) knowing the effectiveness of Moodle - based E-learning on Kebaharian subject in the eleventh grade students of SMKS Bahari Hang Tuah Belawan in improving student's academic performance compared to power point learning media. This research was conducted in SMK Bahari Hang Tuah Belawan academic year 2018/2019. The method of research is the development of Bord's and Gall's model with the design from Dick and Carey, including: doing a preliminary investigation, creating the software design, collecting materials, creating and producing products, testing product field, As well the effectiveness of the product. Subjects of the research consisted of 40 of the eleventh grade students. For the development of products used 2 instructional design experts, 2 material experts, 2 software experts, 3 students tested one by one, and 9 small group class students. The results were obtained  $t_{count} > t_{table}$  ( $6,07 > 1,99$ ), which concluded that  $H_0$  refused and  $H_a$  is received, so that it can be stated that there is a significant and meaningful difference on the students' academic performance who are taught by using Moodle - based E-learning and power point learning media can be received and verified. The effectiveness of Moodle-based e-learning learning at 90,25% and the effectiveness of learning with instructional media power point by 79,5%. Thus the effectiveness of Moodle-based e-learning value is higher than the value of the effectiveness of learning by PowerPoint instructional media that is equal to 10,75%. Results of the study suggest the teacher to create and use Moodle -based E-learning for learning the history according to the demands of curriculum.

**Keywords :** Moodle based e-learning, Kebaharian subject