

**PENGEMBANGAN PEMBELAJARAN ELEKTRONIK DI ERA
REVOLUSI INDUSTRI 4.0 PADA MATA PELAJARAN
PENDIDIKAN KEWARGANEGARAAN SISWA
KELAS X DI SMA NEGERI 1 PEKUTATAN
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ABSTRAK

Penelitian ini bertujuan untuk (1) mengetahui proses pengembangan pembelajaran elektronik (2) mengetahui validitas hasil pengembangan pembelajaran elektronik, (3) mengetahui efektivitas pembelajaran elektronik terhadap hasil belajar pendidikan kewarganegaraan. Subjek penelitian 1 ahli isi mata pelajaran, 1 ahli desain pembelajaran, 1 ahli media pembelajaran, dan 27 siswa untuk uji coba (3 siswa untuk uji coba perorangan, 9 siswa untuk uji coba kelompok kecil, dan 27 siswa untuk uji coba lapangan). Metode pengumpulan data, yaitu pencatatan dokumen, kuesioner, dan tes. Teknik analisis data yang digunakan, yaitu analisis deskriptif kualitatif, analisis deskriptif kuantitatif dan analisis statistic inferensial (uji-t). Hasil penelitian (1) Pengembangan pembelajaran elektronik dengan model pengembangan *Hannafin and Peck* meliputi tiga tahapan, yaitu (a) penilaian kebutuhan, (b) desain/perancangan, (c) pengembangan dan implementasi. (2) Pengembangan pembelajaran elektronik valid dengan: (a) hasil review ahli isi mata pelajaran menunjukkan pembelajaran elektronik berpredikat sangat baik (95,00%), (b) hasil review ahli desain pembelajaran menunjukkan pembelajaran elektronik berpredikat sangat baik (92,72%), (c) hasil review ahli media pembelajaran menunjukkan pembelajaran elektronik berpredikat sangat baik (91,11%), (d) hasil uji coba perorangan pembelajaran elektronik berpredikat sangat baik (92,98%), hasil uji coba kelompok kecil pembelajaran elektronik berpredikat sangat baik (91,46%), dan hasil uji coba lapangan pembelajaran elektronik berpredikat sangat baik (92,53%). 3) Pembelajaran elektronik yang dikembangkan efektif meningkatkan hasil belajar Pendidikan Kewarganegaraan. Disarankan agar mengembangkan pembelajaran elektronik sejenis secara mandiri, sebab dengan dikembangkannya pembelajaran elektronik sesuai dengan pelajaran yang diinginkan, maka akan dapat mengatasi permasalahan keterbatasan media, ruang dan waktu dalam pengelolaan proses pembelajaran.

Kata-kata kunci : Elektronik, Pengembangan, Pendidikan Kewarganegaraan.

**DEVELOPMENT OF ELECTRONIC LEARNING IN THE ERA OF THE
INDUSTRIAL REVOLUTION 4.0 IN SUBJECTS STUDENT
CITIZENSHIP EDUCATION CLASS X AT SMA
NEGERI 1 PEKUTATAN 2018/2019
ACADEMIC YEAR**

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ABSTRACT

This study aims to (1) determine the process of developing electronic learning (2) determine the validity of the results of developing electronic learning, (3) determine the effectiveness of electronic learning on the learning outcomes of civic education. The research subjects were 1 subject matter expert, 1 instructional design expert, 1 instructional media expert, and 27 students for the trial (3 students for individual trials, 9 students for small group trials, and 27 students for field trials). Data collection methods, namely document recording, questionnaires, and tests. The data analysis techniques used were qualitative descriptive analysis, quantitative descriptive analysis and inferential statistical analysis (t-test). Research results (1) The development of electronic learning with the Hannafin and Peck development model includes three stages, namely (a) needs assessment, (b) design, (c) development and implementation. (2) The development of electronic learning is valid with: (a) the results of the review of subject matter experts indicate that electronic learning has a very good predicate (95.00%), (b) the results of a review by an expert in learning design show that electronic learning has a very good predicate (92.72%), (c) the results of an expert review of learning media show that electronic learning is rated very well (91.11%), (d) the results of individual trials of electronic learning are very good (92.98%), the results of small group trials of electronic learning are predicated very good (91.46%), and the results of the electronic learning field trial have a very good predicate (92.53%). 3) The electronic

learning that has been developed effectively improves the learning outcomes of Citizenship Education. It is recommended to develop similar electronic learning independently, because by developing electronic learning in accordance with the desired lesson, it will be able to overcome the problem of limited media, space and time in managing the learning process.

Keywords: Electronics, Development, Citizenship Education.

