

DEVELOPING LEARNING MULTIMEDIA FOR ENGLISH VOCABULARY ACCELERATION IN VOCATIONAL HIGH SCHOOLS

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ABSTRACT

This research aims at developing learning multimedia to accelerate the mastery of high frequency words of 3000 for vocational high school (VHS) students. The multimedia being developed provides input, learning activities and assessment of vocabulary that is relevant to mechanical engineering program at VHS.

This study is a research and development following the design proposed by Borg & Gall (2003) and research procedure adapted from Carey and Carey (2001 in Gall, Gall, and Borg, 2003). The procedure went from documentation study, needs survey, syllabus design, initial product development, teoretical validation, field trial, revision and finalization as well as dissemination. In the first year study, the researchers have made a selection of basic competencies and materials coverage based on Curriculum of 2013 and result of Focus Group Discussion and needs survey, based on which a syllabus and framework for developing learning untis were designed. Following it, the prototype of product has been made to further develop it into a preliminary product of learning multimedia. While the survey was administered to 122 VHS students in 4 VHSs in Yogyakarta, the FGD involved 4 our of 6 invited teachers of English teaching in the respective schools. The instrument of needs survey was interally validated through a FGD among the researchers and an expert of vocabulary teaching. Both quantitative and qualitative data were collected in this first-year research project; the quantitative collected through a questionnaire and qualitative one from discussion or interview and literature study. While first was analyzed using descriptive statistics, the later was analyzed qualitatively.

The results showed a) students' reported preferences and needs of multimedia design and b) reported opinions of the involved teachers in FGD, from which a list of selected text types was made and used as a basis to design the syllabus and framework for developing learning units. The syllabus and the framework were used to develop the prototype and preliminary products of learning multimedia for accelerating vocabulary mastery of VHS students. The preliminary product will later be validated theoretically and trialled at schools to measure its appropriateness for use at schools.

Kata Kunci : *learning multimedia, vocabulary mastery, English instruction, VHS*