

## ***Web-Based E-Learning Information System Case Study of SMK Pancasila 7 Pracimantoro, Wonogiri***

**Anatasya Herayanti, Dr.Erik Iman Heri Ujianto, S.T., M.Kom**

*Information Systems Study Program, Faculty of Science & Technology*

*University of Technology Yogyakarta*

*Jl. Ringroad Utara Jombor Sleman Yogyakarta*

*E-mail : [anasyaherayanti0@gmail.com](mailto:anasyaherayanti0@gmail.com), [erik.iman@uty.ac.id](mailto:erik.iman@uty.ac.id)*

### **ABSTRACT**

*SMK Pancasila 7 Pracimantoro is located at Godang, Pracimantoro Kec. Pracimantoro, Kab. Wonogiri, Central Java. As one of the vocational high schools, SMK Pancasila 7 Pracimantoro is a vocational high school with several majors, namely automotive light vehicle engineering, motorcycle business engineering, and accounting. This school learning does not yet have e-learning which will make it easier for teachers to provide materials and assignments to students, so a website-based e-learning information system will be made that can be accessed anytime and anywhere so as to support the process of teaching and learning activities to be more effective. In designing and building an e-learning system and online exam, the waterfall method is used which begins with the analysis phase, namely analyzing the current system, analyzing requirements and proposing a new system, designing a system modeled with context diagrams, level diagrams and data flow diagrams, stages last system testing. The e-learning system designed in this study has been implemented into a more computerized learning and examination system so that it can overcome the weaknesses of the conventional learning system today. The system is able to carry out the e-learning process (online learning), create discussion forums. The system is also able to make a score recap report based on the school year, class and subject in detail.*

**Keywords:** *e-learning, system, website*