Development of a Digital Transformation Practice Assignment Module to Improve the Technical Digital Skills of Automotive Engineering Education Students

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ABSTRACT

The development of digital technology demands the need to master digital skill competencies. UNY as an educational institution that produces prospective teachers, the UNY curriculum is required to always adapt to the needs of the world of work. The Digital Transformation course is currently a general course, so it is mandatory for all students to pass it. Specifically in the Automotive Engineering Education Department curriculum, digital transformation is considered the most appropriate. Digital transformation is seen as the most appropriate in carrying out the mandate to ensure graduates are capable of mastering technical digital skills, especially as a provision for teacher professionalism. This study aims to guide students in mastering the technical digital skills of vocational teacher training in the automotive field. The research method is RnD which is used in five stages, namely: (1) pre-field (literature study) and need assessment in the world of work; (2) Product prototype development; (3) Validation; (4) Trial; and (5) Dissemination. The results of expert validation, the module is considered feasible. Positive responses from students during trials, as well as from effectively improving students' technical digital skills. It further refers to the habituation of students to take advantage of the abilities they have acquired.

Kata Kunci: *technical digital skills, teachers,*