

# Proceed.APPS

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**WORK SKILLS IMPROVEMENT OF VOCATIONAL  
STUDENTS THROUGH THE LEAN-BASED LEARNING  
MODEL DEVELOPMENT**

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## **A B S T R A C T**

The low absorption of the workforce in the vocational high school graduates indicate their lack of expertise and competency. It urges to improve their work skills to meet the demand of the world of work. This research aims at developing a Lean-based learning model to enhance the work skills of vocational high school students. Prepare students to face the world of work, it should be supported with the right learning process by integrating learning with work or industry. One of the appropriate principles is the application of lean manufacturing systems in the learning process. There are 27 items of soft skills and 67 items of hard skills recommended for employments for vocational students. This study can be categorized as development research using the modified Borg and Gall method. The Lean-based learning model was tested through three stages, i.namely its validity, effectiveness, and practicality towards students, teachers and industrial practitioners. Based on the research findings, the developed learning model can be categorized as good in case of its validity, effectiveness, and practicality. It means the lean-based learning model is valid, effective and practical as one of the alternatives to improve the competency among vocational high school students to fulfill the industrial demand

Keywords: Work Skills; Lean-Based Learning Model; Vocational High School

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