



Analysis of Teaching Quality Factors at Aviation Vocational Education

Suyatmo^{1,2}, Ekohariadi¹, Arie Wardhono¹

¹Universitas Negeri Surabaya, Surabaya, Indonesia

²Surabaya Aviation Polytechnic, Surabaya, Indonesia



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ABSTRACT

Objective: The decreasing absorption capacity of vocational education graduates indicates barriers to teaching quality. This Research aims to analyze the factors that influence the quality of vocational learning. **Method:** This Research uses quantitative methods. The sample is aircraft maintenance engineering students at Aviation Polytechnic. Data analysis uses the Structural Equation Model-Partial Least Square. **Result:** Validation of the research instrument resulted in the loading factor, AVE, Cronbach Alfa, and SRMR meeting the requirements, so the instrument and variables were declared valid and reliable, and the model was declared fit. Lecturer behavior and the quality of learning and learning resources have a direct and significant positive relationship. Meanwhile, management support through learning resources has influenced the quality of learning by 51.0%. **Novelty:** The quality of learning in vocational education is influenced by the role of lecturer behavior and management support in providing and managing quality learning resources. The collaboration of those three aspects can improve the quality of competency of vocational education graduates. The high competency of aviation vocational education graduates can increase the absorption capacity of graduates in the era of Revolution 4.0.

INTRODUCTION

Vocational education is an educational program that prepares graduates to have specific skills to enter the job market. Therefore, vocational education aims to be able to create relevance to industry, create job mobility, provide an understanding of global challenges, provide technological skills to adapt to the latest technological developments in a sustainable manner, and develop soft skill competencies to work in cross-cultural teams in a global environment (Surekha et al., 2020). Thus, vocational education can significantly contribute to developing human resources ready to compete and adapt to the dynamics of the global era (Li & Pilz, 2023; McGrath et al., 2020; Suharno et al., 2020). Aircraft engineering education is one type of vocational education in aviation skills. The success of aircraft maintenance training institutions depends on continuous quality improvement. A sustainable process aims to understand and improve the quality of future teaching and learning (Forbes et al., 2023). Value the lecturer's ability to motivate and engage students in learning (Valantinaite & Navickiene, 2024). This involves establishing appropriate criteria and high standards for the quality of teaching in aviation vocational colleges.

Every college that functions as training in the aviation sector must meet the certification requirements and Training Procedure Manual (TPM) issued by the Civil Aviation Safety Regulations (CASR). The vocational education process is education that emphasizes the development of skills, abilities, attitudes, work habits, understanding, and appreciation that workers need to enter the world of work and make changes or meaningful progress (Augusto et al., 2022; Oviawe & Uwameiye, 2020; Rafiq et al., 2023;

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