Identify Factors That Influence Hard Skill Competency and Soft Skill Competency Through the Quality of Teaching in Aviation Vocational Education

Suyatmo[1,2], Ekohariadi[1], Arie Wardhono[1]
[1]Universitas Negeri Surabaya, Surabaya, Indonesia
[2]Surabaya Aviation Polytechnic, Surabaya, Indonesia

Sections Info	ABSTRACT
	Objective: This research analyzes factors influencing quality teaching to create complex skill competency (HSC) and soft skill competency (SSC) in education vocational graduates. Aviation vocational education produces aviation experts who can compete in the era of the global market. HSC is a technical skill, and SSC is an individual's interpersonal skill. The quality of vocational teaching has a vital role in creating graduate performance. **Method:** This research studies quantitative with a survey method. Samples are Aircraft Engineering students - Aviation Polytechnic in Indonesia, as many as 229 people—data retrieval using instrument research that has been fulfilled with validity and reliability tests. Analysis of research data uses Structural Equation Modeling (SEM). **Result:** This research shows that the formation performance of graduates (HSC and SSC) is determined by quality teaching. Lecturer Characteristics, Teaching Methods, and Laboratory Technicians are essential for increasing teaching quality in the formation of HSC—currently, SSC is developing through the pattern parenting student method. Students' success, integrity, and interpersonal skills reflect SSC. So that graduates are ready to compete in the job market. **Novelty:** Develop lecturers' characteristics and laboratory technicians to significantly increase the quality of education and prepare students to enter the world of work with relevant skills.

INTRODUCTION

Vocational education aims to prepare competent students to be ready to work in the field according to field-selected skills. Competence is the main requirement in producing performance (Basri & Umar, 2021). Complex Skill Competency (HSC) and Soft Skill Competency (SSC) are elements essential for producing performance someone, and these two competencies complement each other. HSC is a technical ability that is directly related to specific job performance. SSC is a personal attribute that helps individuals work effectively with others. SSC develops through life experiences, interactions, and personal growth. Hard Skills are for carrying out specific responsibilities, but Soft Skills are for building relationships, fostering collaboration, and adapting to changing workplace conditions; developing and maintaining a balance between hard skills and soft skills is very important for one's career growth and success. Methods for developing hard skills and soft skills can be done through education, training, or experience. Therefore, vocational education graduates must have the skills to adapt to industrial changes (Hamdani et al., 2020). Integrating HSC and SSC competencies is necessary to meet current industry needs (Ardina et al., 2020). Thus, revitalizing vocational education will produce students with the competencies in critical thinking, collaboration, communication, and creativity to meet the demands of the 4.0 era (Sudiro, 2019).

Aviation education aims to produce graduates who are competent in aviation.

7 584-Article Text-596-608 Suyatmo et al.docx