



Optimizing Technical Entrepreneurship: Instrument Development for Assessing Technopreneurial Behavior Among Vocational High School Fashion Design Students

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ABSTRACT

Objective: Technopreneur behavior refers to the traits, attitudes, and actions of an individual or group involved in technology-based entrepreneurship. Technopreneur is a combination of the word's "technology" and "entrepreneurship," and encompasses the application of technology and innovation in a business context. The purpose of this study is to develop an instrument that can measure the technopreneur behavior of Vocational High School Fashion School students. **Method:** This research is a development research with a 4D model, namely Define, Design, Development, and Development. Instrument was tested on 30 students of Vocational High School 3 Kediri. **Results:** The results of the study stated that based on the CVR, correlation-total, OMS, and IMS criteria, there were 2 items that did not meet so that these items had to be revised or discarded, while other items were declared to meet the criteria. And the results of the instrument trial stated that 3.33% of students had technopreneur behavior in the "high distinction" category, 83.3% in the "Distinction" category, and 13.3% in the "Credit" category. **Novelty:** This research presents novelty by designing a unique instrument that focuses on the technopreneur behavior of VHS Tata Busana students. This innovative approach includes the integration of technological and entrepreneurial aspects, active stakeholder participation, the application of revolutionary learning models, and adaptation to the latest technological developments.

INTRODUCTION

Vocational High Schools are designed to prepare students or graduates who are ready to enter the world of work and are able to develop professional attitudes in their field. With the skills they already have, vocational high school graduates are expected to immediately enter the world of work after completing their education (Fauzi & Widiastuti, 2022; Müller, 2021). However, in reality, the open unemployment rate of graduates Vocational Schools still the highest compared to other educational (Prianto et al., 2020). Data from the Central Statistics Agency in 2023 regarding employment in Indonesia, especially for vocational school graduates, Central Statistics Agency data reports the number of open unemployment rates as of February 2023 as many as 8.40 million people of this number (Irwanto, 2022). States that graduates Vocational School are the most unemployed and vocational school graduates are the largest compared to graduates of other levels of education (Ohara et al., 2020).

Solution provided by Vocational School to minimize the level of open unemployment by launching entrepreneurial activities for graduates Vocational School. According to the graduate profile Vocational School has three main opportunities, namely being able to work straight away, continuing your studies and becoming an entrepreneur (Husna, 2020). Graduate of Vocational School entrepreneurship can be a driver of industrial and economic growth in the country (Raharjo & Ummaya, 2023).

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