

MODEL OF INFRASTRUCTURE DEVELOPMENT BASED ON INDUSTRIAL CULTURE AT AUTOMOTIVE VOCATIONAL SCHOOLS

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ABSTRACT

This study aims to, 1) Knowing the application of the ideal industrial culture at SMK Otomotif; 2) Developing a model for developing learning facilities at SMK Otomotif based on industrial culture in the Special Region of Yogyakarta.

This research is a qualitative research case study. The subjects in this study were SMK Aryasatya Teknologi, SMKN 2 Depok, SMKN 2 Yogyakarta, SMKN 2 Wonosari, SMKN 1 Sedayu, SMKN 2 Compassionate. The research time was carried out from April 12 to October 10, 2022. This research data collection technique uses observation techniques, interviews, documentation, and Focuss Group Discussion. The research data that has been collected are analyzed thematically. The data were analyzed by a method presented by Creswell, J. W., & Poth (2019) consisting of 1) Managing and organizing data; 2) Reading and making memos from emerging ideas; 3) Describe and classify the code into themes; 4) Develop and assess the interpretation of data; 5) Presenting and visualizing data. Data analysis is assisted by the Atlas Ti application to determine themes, relationships between themes and determine the conclusions of research results.

The results of this study, 1) The application of the ideal industrial culture in SMK, namely SMK needs to adopt the automotive industry culture to be applied in schools. Industrial cultures that can be applied in SMK Otomotif include, a) 5S or 5R culture; b) occupational health and safety culture (K3); c) Kodawari; d) Kaizen. This industrial culture needs to be integrated in theoretical learning, internalization in practical learning, the establishment of a supportive school climate and cooperation with partner industries to strengthen its implementation; 2) The proposed model of infrastructure development based on industrial culture at SMK Otomotif offers a strategy for optimizing and developing infrastructure. Strategies for optimizing existing infrastructure are by applying industrial cultures such as 5S or 5R, scheduling and management, and implementing kaizen. The strategy for developing infrastructure is carried out by self-help procurement, procurement with funds from the government (BOS), and relying on assistance from industry. Strategies in obtaining assistance from the industries can be carried out in two ways, namely strengthening internally to improve school branding and strengthening externally by actively visiting the industry.

Kata Kunci: *Industrial Culture, Development Model, Infrastructure, Case Study, Industrial Culture Implementation*