

MSME and Industrial Clinic based Industry internships Model

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ABSTRACT

This study aims to formulate an evaluation of the implementation of the apprenticeship program and to formulate an apprenticeship model based on MSME and Industrial Clinics to increase the competency of students majoring in Mechanical Engineering Education in the context of implementing independent learning independent campus.

This research uses mixed methods with a concurrent triangulation strategy. Data were collected through questionnaires, focused group discussions supplemented by observations and in-depth interviews with respondents which included students, lecturers, and partner industry/MSMEs. Data were analyzed quantitatively and qualitatively through the stages of data reduction, data presentation, drawing conclusions and verification.

The results of the study show that: (1) The development of industrial clinics starts from the principle of the relevance of vocational education to the world of work, in this case the industrial world, including small and medium industries. The relationship between education and the world of work, in this case IKM, fosters various kinds of schemes and strategies related to partnerships in technology development, education and industry human resource development, economic growth, and strengthening the business climate; (2) Various activities have been carried out as pioneering industrial clinics that involve students from various levels (D4, S1, S2) and provide mutual benefits. The problems that arise are the unavailability of adequate rules/regulations at the national, regional and university levels, organizational status that has not been formulated within the scope of the university, limited collaboration with IKM and related parties, student response that still needs to be improved, and the need to synchronize aspects academic, administrative and financial; (3) The future development of industrial clinics is oriented towards building system integration in the aspect of education at the tertiary level (D4, S1, S2, S3 levels), innovation and production processes in industry including IKM, local government, Vocational High Schools, and the community ; (4) The initial characteristics of the implementation of industrial internships through industrial clinics include apprenticeship activities, independent study, and/or independent research. Students carry out activities within a certain time which can be recognized for up to 20 credits; and (5) The stages of developing industrial apprenticeship through industrial clinics as part of the implementation model include preparation, pre-implementation, implementation, and post-implementation

Kata Kunci: *industrial clinics, internships, MBKM*