The relevance of machining practices competencies through industrial needs

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ABSTRACT

This study aims to reveal the relevance of practical competencies in mechanical engineering vocational schools to the industry's competencies in the Yogyakarta Special Region. This research is a quantitative descriptive study using survey research methods with five research subjects representing the manufacturing industry. The results of this study are, in general, the competence of learning machining practices at Mechanical Engineering Vocational Schools is very relevant to the manufacturing industry's needs. Details of competency relevance data for each practical subject are as follows: (1) competency in lathe machining 42.10% relevant and 57.90% highly relevant; (2) competence of 40.90% milling machining is relevant and 59.10% highly relevant; (3) competence in grinding 33.33% relevant and 66.67% very relevant; (4) NC / CNC and CAM machining competences 2.90% relevant and 97.10% highly relevant.

Kata Kunci: *relevance, machining practices competencies, industry*