

# **EMPOWERING VOCATIONAL SCHOOL TEACHERS THROUGH TECHNICAL GUIDANCE OF TOTAL QUALITY MANAGEMENT (TQM) BASED LEARNING TO IMPROVE ELECTRICAL ENGINEERING COMPETENCY FOR VOCATIONAL SCHOOL STUDENTS IN BANTUL DISTRICT**

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## **ABSTRACT**

The purpose of this community service activity is to provide vocational school teachers with skills in: 1) developing a professional teacher growth mindset in improving the learning process; 2) techniques for implementing TQM-based learning in the classroom in the PDCA cycle (Plan, Do, Check, Act); 3) TQM-based learning outcome evaluation techniques; (4); the technique of formulating the follow-up of TQM-based learning outcomes to improve the electrical engineering competence of vocational school students. Service activities are carried out through technical guidance with interactive lecture methods, question and answer, giving assignments, guidance for the preparation of learning tools, monitoring and evaluating the results of activities. Participants were given a quiz about TQM-based learning knowledge, and an evaluation questionnaire on the implementation of community service in general. Data were analyzed using qualitative descriptive techniques, to see the success of the participants in following the technical guidance for implementing TQM-based learning.

The results of this service show that: 1) To form a growth mindset teacher requires personal abilities and talents, hard work, sets high performance standards, and activates the learning process in the classroom; 2) training participants have been able to apply TQM-based learning in the classroom in the PDCA cycle (Plan, Do, Check, Act); 3) participants have demonstrated their ability to compile a TQM-based learning evaluation test; and 4) training participants have been able to formulate a follow-up to this service activity by applying a growth mindset teacher to improve the competence of students in the field of electrical engineering

*Kata Kunci: empowerment, growth mindset, TQM, electrical engineering competence*