

Training and Assistance for Competency Improvement in the Field of Electricity Utilization Installation for Vocational School teachers in Yogyakarta

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ABSTRACT

Community service activities (PPM) regarding Training and Assistance for Competency Improvement in the Field of Electrical Power Utilization for Vocational High School Teachers in DIY are aimed at: 1) carrying out training, mentoring, and competency testing for Electrical Power Installations (IPTL) for SMK teachers in DIY, 2) improving competence in the use of electricity for vocational school teachers in Yogyakarta Special Province.

Activities, mentoring, and competency tests were carried out at the Installation Workshop of the Electrical Engineering Education Department, Faculty of Engineering, Yogyakarta State University (UNY) on 16-29 September 2017 for 90 hours. The implementation uses the in1-on1-in2-on2-in3 model. This training includes theoretical, practical, and field materials and is followed by a competency test. This activity was attended by 18 teachers for the Electrical Power Installation Engineering Expertise Package at State/Private Vocational Schools in Yogyakarta Special Province. The PPM method used includes: lectures (theory), practice, case study independent assignments, competency tests, presentations, and evaluations.

The results achieved from this activity are: 1) Training and mentoring activities for Electricity Utilization Installation for Vocational High School Teachers in Yogyakarta Special Province have been very well carried out with an average score of 3,335 (scale 1-4); 2) The achievement of competence through this training has met the target of competent participants in the field of IPTL from the competency test results of 77.78%.

Kata Kunci: Competency Improvement, Electricity Utilization Installation Field, Vocational High School Teachers