

Training For CNC Programming Using The Simulator SSCNC, For Teachers At Vocational High School (VHSs) In The Special Region Of Yogyakarta

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ABSTRACT

Abstract

The purpose of Community Services activities are: (1) Improving the competence of VHSs teachers, in that programming CNC machine using CNC machine simulator; (2) Teachers can create CNC programs to make 4 pieces of the workpiece in the form of a straight shaft, tapered, straight contour and circular contour; and (3) Teachers can create CNC programs for workpieces are grooves and screw metric.

The training was held at SMK 2 Pengasih. Implementation of training on 25 and 26 September 2015, and independent exercise from May 27 to September 30, 2015. The participants came from two VHSs, namely SMKN 2 Pengasih and SMKN 2 Nanggulan Kulonprogo. Trainees numbered 30 people.

Results of the training are: (1) Competence of teachers in VHSs increases in programming CNC lathe using CNC machine simulator for OIT Fanuc control system; (2) Teachers can create CNC programs to make 4 pieces of the workpiece in the form of a straight shaft, tapered, straight contour and circular contour; and (3) Teachers can create CNC programs for workpieces are grooves and screw metric.

Kata Kunci: CNC, machines, simulator