

TRAINING OF 802 SC SINUMERIK CNC MILLING MACHINES OPERATION FOR TEACHERS OF SMKN 1 BLORA

by Bernardus Sentot Wijanarka, Sutopo, Widarto, Dwi Rahdiyanta

ABSTRACT

The objectives of the community service program are: (1) increasing the competency of vocational school teachers in basic theory of CNC programming of milling machines, (2) increasing teacher competency in operating CNC milling machines and (3) increasing the competency of teachers in creating CNC programs for workpieces that consists of facing, contouring, and pocketing.

This service uses training methods in the laboratory. The number of trainees is 17 people. The training begins with the basic theory of CNC machining, practicum in SSCNC simulators, and practice on CNC milling machines.

The results of community service are: (1) teacher competency increases SMK in programming CNC milling machines using simulators and CNC milling machines, (2) teachers can operate CNC milling machines in schools and (3) Teachers can make CNC programs as much as 4 programs per person and 2 workpieces that consists of facing, contouring, dan pocketing.

Kata Kunci: *machining, milling, CNC, training*