

**VIRTUAL REALITY SEBAGAI MEDIA PEMBELAJARAN
DAN PELATIHAN PEMROGRAMAN CNC**

Bambang Setiyo Hari Purwoko
Jurusan Pendidikan Teknik Mesin FT UNY

Abstrak

Information and Communication Technology which grow very fast can be useful in education, especially in the effort of improving the quality and efficiency in implementation of education. This article tries to describe one of effort to use information and communication technology especially a virtual reality as the instructions and training media of CNC programing.

Implementation begins by develop CNC' virtual reality machine, is a build of computer software which provides a visual effect of environment of CNC machine in a computer screen. The build use research and development (R&D) method. Implementation of CNC virtual reality machine in CNC programming instructions shows; (1) the students very interesting and intens using the virtual reality program which provides a visual effect of environment of CNC machine in the monitor, active trying the simulation of numpad virtual in the monitor, input data on the CNC virtual panel and making simulation of the CNC program running, (2) the students are practice to make and runs the CNC programing individually in the classroom or outside. (3) a CNC virtual reality that can be use as learning media and CNC training program classically (in classroom), individual learning, even through by e-learning.

Keywords: instructional-media, virtual-reality, CNC programing

