

# **ASSISTANCE IN THE PRODUCTION PROCESS WITH CNC MACHINE TOOLS AT IKM MITRA LUHUR PERKASA HARJOBINANGUN PAKEM SLEMAN DIY**

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## **ABSTRACT**

The objectives of this PkM are: (1) improving the competence of IKM employees in operating CAM software (MasterCam) to compile CNC programs for ordered products in the form of M5 bolts and M6 bolts, (2) Assisting the production process at partner workplaces by working on product orders in the form of M5 bolts and M6 bolts totaling 1000 pieces using CNC lathes, and (3) equipping CNC machine operators and programmers from partners to obtain competency certificates from TUK // LSP FT UNY. The method of implementation by means of on-the-job training with the tutorial training method of making ordered products. The trainees were 4 CNC machine programmers and operators and 1 production supervisor. The results of PKM are: (1) IKM employees have mastered making CNC programs with MasterCam, (2) 1000 pieces of M5 and M6 bolts have been made according to working drawings, and (3) IKM employees have had competition for the certification process from LSP LMI through TUK JPTM FT UNY in 2023.

Kata Kunci: *CNC, IKM, CAM, machining, lathe*