ENHANCING TIME MANAGEMENT THROUGH COMPUTER SOFTWARE DESIGNED FOR EFFICIENT PRODUCTION IN CUSTOM CABINET MANUFACTURING FACILITIES

Marija Krstev

ABSTRACT

The objective of this study is to assess how computer software designed for manufacturing preparation affects the time needed to create comprehensive technical documentation when launching a new product in a microenterprise that specialises in custom cabinet furniture production.

This was accomplished by recording the amount of time needed for standard constructive preparation. This preparation involves creating views, sections, and detailed drawings in AutoCAD based on pre-existing 3D models of kitchen cabinets, followed by dimensioning the individual components and developing a cutting plan using specialised software.

For the same furniture pieces, the time taken to prepare identical documentation using the constructive preparation software called Corpus was recorded. The findings indicate that the use of this software considerably reduces the time needed for constructive preparation.

Keywords: corpus, interactive software, furniture design, constructive preparation, manufacturing methods