
ABSTRACTS

OPTIMIZATION OF PRE-PRODUCTION AND PRODUCTION OPERATIONS IN THE FORESTRY INDUSTRY USING RFID TECHNOLOGY

(pages 1-4)

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Keywords: RFID technology, pre-production operations, production operations, forestry industry

Abstract: The main objective of this paper is to improve logistics and design to improve the register timber in stock and timber in the sale itself to optimization of pre-production and production operations in the forestry industry. The proposal could improve the registration using RFID technology. The proposal based on RFID technology will ensure smooth and easy flow of information. Technology will be introduced in stocks, which will result in better record keeping and transfer of timber storage and at the same time will be introduce RFID technology in the timber sale.

PRODUCT VARIETY INDUCED COMPLEXITY AND ITS MEASUREMENT

(pages 5-9)

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Keywords: complexity, combinatorics, configuration, product, scale

Abstract: Mass customization has become a novel trend in the manufacturing of products as it offers high product flexibility to customers. As a result, producers of such products have to cope with increasing demands on manufacturing and related complexity management. This paper aims to develop so called configuration complexity measure to determine the extent of mass-customized production variety. Product configuration complexity scale has been also developed in order to assess concurrent product architectures based on the offered variety extent for their product. The method presented in this paper is a useful method with minimum input data required and with important output information for product decision-makers.

IMPACT OF CONTROLLING SYSTEMS ON DIRECT COSTS OF CONSTRUCTION PROJECTS

(pages 11-15)

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Keywords: exploitation of economic controlling systems, direct costs, construction projects

Abstract: Cost planning and cost management is one of the condition for successfully manage to construction project. Efforts to reduce direct costs is a priority for reaching and realization of the objectives. Implementation of controlling is one way to achieve these goals. Currently, there are several ways to automate and systematized these activities. One of them are Controlling systems. Several studies indicate that their use have a lot of benefits. Article discusses the issue of exploitation level of Controlling systems for cost management and reduce direct costs of construction projects. The main objective of this article is to confirm the hypothesis that verify to the following statement: Enterprise size has an impact on the use of Controlling systems for direct cost planning in construction projects and exploitation of Controlling systems have a significant impact on reducing the direct costs of construction projects in difference to the size of construction enterprises.
