

[J@TI] Submission Acknowledgement

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Tue 12/20/2022 9:56 AM

To:Chaterine Alvina Prima Hapsari <chaterinealvina@lecturer.undip.ac.id>

Chaterine Alvina Prima Hapsari:

Thank you for submitting the manuscript, "Designing a Collaborative Model for The Raw Material Procurement Process to Elevate The Furniture Industry Competitiveness" to J@ti Undip: Jurnal Teknik Industri. With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

Manuscript URL: <https://ejournal.undip.ac.id/index.php/jgti/author/submission/51027>

Username: chaterineprima

If you have any questions, please contact me. Thank you for considering this journal as a venue for your work.

Akhmad Bukhori

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[J@TI] Editor Decision

Prof. Dr. Moses L. Singgih <moseslsinggih@ie.its.ac.id>

Fri 1/20/2023 9:49 AM

To:Chaterine Alvina Prima Hapsari <chaterinealvina@lecturer.undip.ac.id>

Chaterine Alvina Prima Hapsari:

We have reached a decision regarding your submission to J@ti Undip: Jurnal Teknik Industri, "Designing a Collaborative Model for The Raw Material Procurement Process to Elevate The Furniture Industry Competitiveness".

Our decision is to: **Accept Submission**

Prof. Dr. Moses L. Singgih

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Statement

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Name Dominico Laksma Parameshta (<https://ejournal.undip.ac.id/index.php/jgti/user/email?redirectUrl=https%3A%2F%2Fjournal.undip.ac.id%2Findex.php%2Fjgti%2Fauthor%2Fsubmission%2F51027&to%5B%5D=Dominico%20Laksma%20Parameshta>)



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Title and Abstract



Title

DESIGNING A COLLABORATIVE MODEL FOR THE RAW MATERIAL PROCUREMENT PROCESS TO ELEVATE THE FURNITURE INDUSTRY COMPETITIVENESS

(https://app.dimensions.ai/discover/publication?and_facet_source_title=jour.1283854)

Abstract

The furniture industry is a non-oil and gas sector that can be developed aggressively due to the abundant natural resources provided by Indonesia's forests. However, there are several issues in the wooden furniture industry, starting on the upstream supply chain, especially in the raw material procurement process. The increasing product cost because of high procurement costs could make this industry hard to compete or grow. Thus, this study proposes an improvement of raw material procurement by developing a collaborative model to minimize the total circular procurement cost in the wooden furniture industry supply chain. Adopting the collaborative model is expected to reduce the raw material procurement costs of all parties involved in the supply chain by shortening the supply chain. In addition, this study built a dynamic system model with an implementation circular supply chain concept, which focuses on regenerating the wood raw material toward zero waste. The finding is that a collaborative model could reduce the total circular procurement cost by 25% to 35% compared to the base model. A recommendation for building the terminal comes from the collaborative model. The result of this study provides a solution to elevate the furniture industry's competitiveness through cost reduction.

Notice -

Original DOI -

Indexing

Academic discipline and sub-disciplines -

Keywords circular economy; circular procurement cost; collaborative procurement; furniture industry; supply chain

Language en

Supporting Agencies / Funders

Agencies/Funders -

Agencies/Funders Doi -

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