CHOOSING A PILSEN MALT SUPPLIER FOR AN ARTISAN BREWERY IN PETRÓPOLIS: STRUCTURING THE PROBLEM BASED ON SORTING BY THE NEW CRITIC-GRA-3N METHOD

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ABSTRACT

The purpose of this article is to carry out the application of the CRITIC-GRA-3N method for ordering Pilsen malt suppliers, submitted to a selection process to close a supply contract for breweries in the city of Petrópolis in the state of Rio de Janeiro through of a case study in the purchasing sector of a craft beer company. To this end, a literature review was carried out regarding articles that deal with the subject, an unstructured interview with the organization's production planning and control and access to the company's database regarding suppliers for the collection of data necessary for modeling of the decision problem. With the application of the method and modeling of the problem, the internal Supplier obtained a higher cardinal value than the others in the global ranking compared to the other alternatives, thus demonstrating that it is the most suitable alternative to be selected, using the methodology.

KEYWORDS: Sorting suppliers. Brewery. CRITIC-GRA-3N method.

DECISION MAKING