

Design Integrated Information System for Raw Material Logistics in Jewelry Industry Companies with a Business Process Reengineering Approach (Study case: PT SKKJewels)

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Abstract

In today's era, Jewellery market behavior and fashion trend are changing so fast and so many demands of the desired variety of demands on the jewelry industry. The products produced are various ranging from bracelets, earrings, rings, necklaces, pendants, bracelets, brooches, etc. These products are combined with 75.5%, 70.8%, 68.0%, and 37.5% gold grades and are further combined with White, Yellow, and Rosegold colors. there are more than ten combinations produced every month. Companies engaged in the jewelry industry have unique logistics characteristics because the raw materials that must be provided cannot be forecasted accurately following the demands. Using BPR approach, the findings are implemented Raw Material Inventory Control for Information Raw Material Logistics system for Jewellery Industry can reduce the average wait for raw material to Production up to 90%.

Keywords

Jewellery Industry, BPR, Inventory