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QR INVENTORY CONTROL SYSTEM AND TIME RELATIONSHIP IN MANUFACTURING ORGANIZATIONS: A STUDY OF SELECTED FLOUR PRODUCING FIRMS IN NIGERIA

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ABSTRACT

Purpose: *The study aims to assess the Q/R inventory control system and Time relationship in Nigerian manufacturing organizations.*

Design/Methodology*: The study employed a quantitative research design. The research design attempts to build a mathematical model that captures the relationship between variables. The focus of this study was on raw material inventory and demand requirement with respect to Time at the three selected flour manufacturing firms.*

Findings*: Finding indicates that the reorder points of wheat inventory at the studied firms depend on Time.*

Research Limitation/Implications*: The study focuses on the relationship between inventory demand and Time at Nigeria flour manufacturing firms, thereby limiting generalizing to other sectors.*

Practical Implication*: The aspect of time to place on order provides an answer to the minimum stock level at which additional quantities of raw material to be ordered.*

Social Implications*: The result have important social implications in that an inventory control approach that leads to the availability of raw material and finished goods within the manufacturing sector is identified.*

KEYWORDS: *Q/R Inventory, Time Series, Manufacturing Organization*