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UNIVERSITY

ILISHAN-REMO, OGUN STATE, NIGERIA

COLLEGE OF POSTGRADUATE STUDIES

2022/2023 PhD Thesis Abstract

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RT: Green Logistics Practice and Firm Sustainability of Selected Quoted Fast Moving Consumer Goods Companies in Lagos State Nigeria.

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AB: Sustainability has increasingly taken the centre stage of today's organisation. Thus, organisations have begun to align priorities to focus on factors that improve the effectiveness of their operations and integrate environmental concerns into the supply chain management system, especially among fast moving consumer goods (FMCG) firms. Despite this, studies have established that FMCG firms are faced with the struggle to maintain substantial level of social, financial, operational, product and environmental sustainability. This impediment has been created due to poor management of green logistics practices (green production, green procurement, green transportation, green packaging, and reverse logistics). However, most of the extant researches focus more on other industries other than FMCG and developed countries than developing countries. This study investigated green logistics practices and firm sustainability of selected FMCG firms in Lagos State, Nigeria.

The study adopted survey research design. The population of study was 13,782 management employees of eight quoted FMCG firms in Lagos State, Nigeria. The sample size of 519 was determined using Taro Yamane formula. Simple random sampling technique was used in selecting respondents. A structured and validated questionnaire was used for data collection with Cronbach's alpha reliability coefficient for the constructs ranged between 0.78 and 0.94. The response rate was 96.7%. Data were analyzed using descriptive and inferential (multiple and hierarchical regression) statistics.

The findings revealed that green logistics practices had significant effect on the sustainability of selected FMCG firms in Lagos State, Nigeria ($Adj.R^2 = 0.076$, $F(5, 496) = 9.251$, $p < 0.05$). Green logistics practices had significant effect on social sustainability ($Adj.R^2 = 0.066$, $F(5, 496) = 8.036$, $p < 0.05$), financial sustainability ($Adj.R^2 = 0.001$, $F(5, 496) = 1.117$, $p > 0.05$), operational sustainability ($Adj.R^2 = 0.023$, $F(5, 496) = 3.310$, $p < 0.05$); product sustainability ($Adj.R^2 = 0.038$; $F(5, 496) = 4.977$, $p < 0.05$), and environmental sustainability ($Adj.R^2 = 0.017$, $F(5, 496) = 2.725$, $p < 0.05$). The effect of green logistics practices on firm sustainability is not significantly moderated by regulatory pressure ($\beta = -0.008$, $\Delta R^2 = 0.000$; $\Delta F = 0.011$, $p > 0.05$) and competitive pressure ($\beta = 0.016$, $\Delta R^2 = 0.000$; $\Delta F = 0.063$, $p > 0.05$).

The study concluded that green logistics practices had significant effect on firm sustainability of selected FMCG firms in Lagos State, Nigeria. Regulatory pressure and competitive pressure played no significant moderating effect on green logistic practices on firm sustainability. This study recommended that the management of FMCG firms in Lagos State, Nigeria should adopt a holistic approach to sustainability, integrating green logistics practices into their broader sustainability strategy to enhance their long-term sustainability performance.

Keywords: Environmental sustainability, Firm sustainability, Green logistics practices, Green product, Green transportation, Product sustainability, Social sustainability

Word Count: 430

Abbreviations: *RFN: Researcher's Full Name, RD: Researcher's Department, RS: Researcher's School, RE: Researcher's Email, RAE: Researcher's Alternate Email, RP: Researcher's Phone Contact, RT: Registered Title, MS: Main Supervisor, ME: Main Supervisor's E-mail Address, SP: Main Supervisor's Phone Contact, CS: Co-Supervisor, CE: Co-Supervisor's E-mail Address, CP: Co-Supervisor's Phone Contact, AB: Abstract*

Suggested Citation: Nwaulune, J.C., Ajike, E.O. and Bamidele, A.G. 2023. Green Logistics Practice and Firm Sustainability of Selected Quoted Fast Moving Consumer Goods Companies in Lagos State Nigeria. PhD Thesis Abstract, College of Postgraduate Studies, Babcock University. [https://doi.org/10.61867/pcub.1\(5\).107](https://doi.org/10.61867/pcub.1(5).107)